

# Draw a better world with New energy

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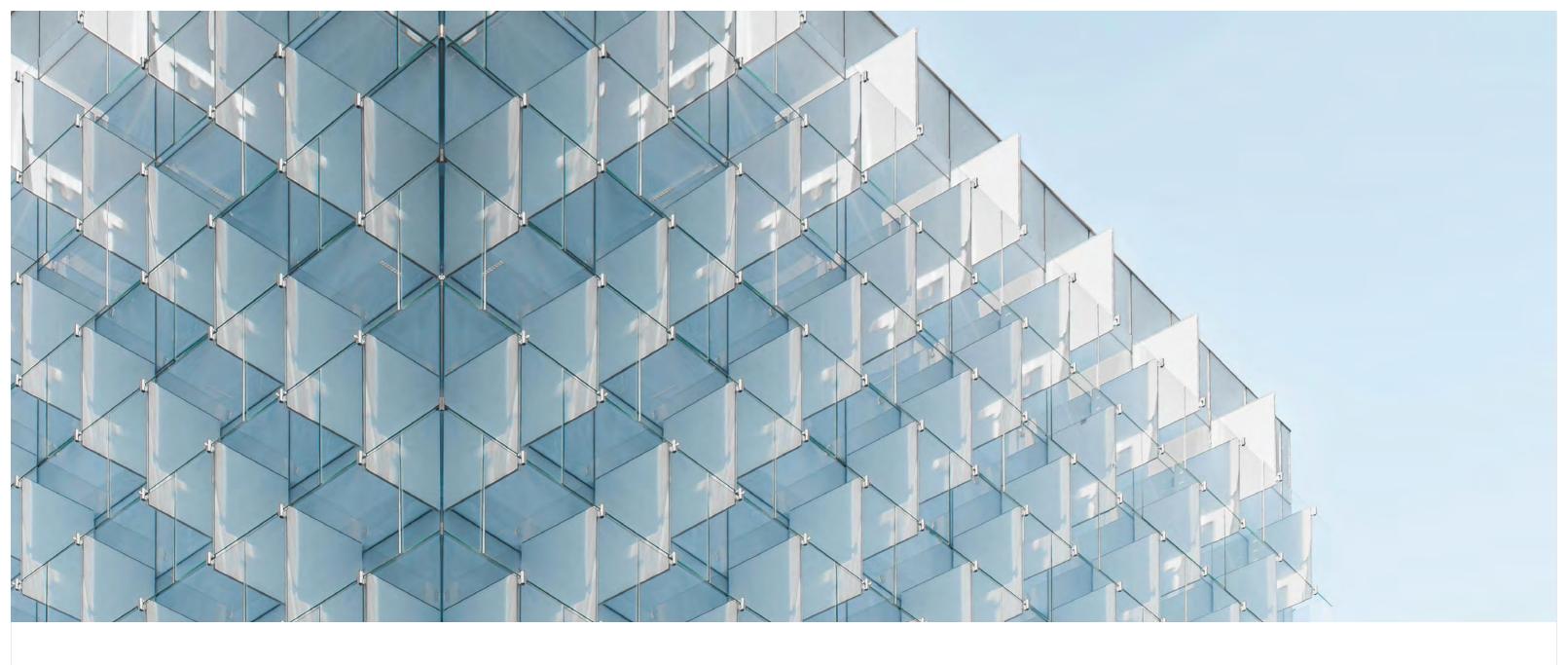






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# **About Donnergy**

Shenzhen Donnergy Technology Co., Ltd is a leading provider of Solar Inverters and Energy Storage Solutions, Integrating R&D, Production, Sale And Service.

As a professional manufacturer which was honored with National High-tech Enterprise due to the continuous research and development in the field of Solar Energy Conversion and Power Storage, Donnergy has gained core technical advantages in PCS, EMS, BMS and Cloud System.

Continuous R&D innovation and strict quality control is the cornerstone of Donnergy, With a dedicated team of over 60 engineers, Donnergy has developed a wide range of products and obtained dozens of patents.

Most of products are certified with EN50549-1, IEC 62109-1&-2, IEC 61000-6-1&-3, VDE4105, CEI 0-21, G98&G99, NTS, UTE C15-712-120107, RD1663/2000, ISO9001, PSI, COC ...... by TUV, SGS or ITS.

# **Factory**



Assembly Workshop



SGS Certified Laboratory



Aging Room



Trial production prior to mass production

# **Our Advantages**





### Technological Innovation

Donnergy has gained core technical advantages in PCS, EMS, BMS and Cloud System, supporting OEM and ODM, providing customers with overall system solutions quickly.



### **Quality Control**

Our inverters and batteries are produced according to the quality requirements of the car regulations and aging labs are equipped with advanced equipments.



# Intelligent Manufacturing

Strictly follow quality control protocols in accordance with the European and USA standards, ISO9001 and ISO14001, produce high and cost-effective products with EU series national certifications.



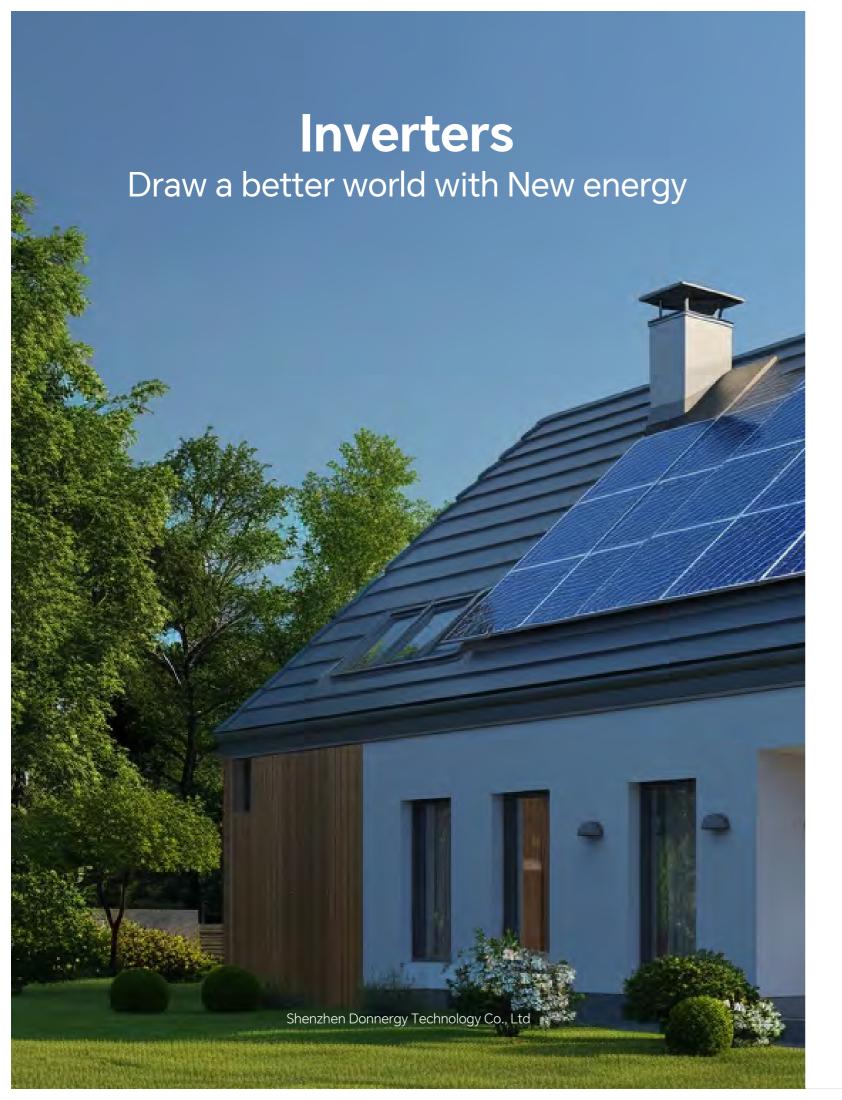
### **Logistics Capability**

There are multi-channel shipping methods such as land, sea and air to ensure fast, safe and efficient arrival.



# **Localization Service**

Local office, warehouse and after-service center are available to quickly solve cutomers requirement.





# GT400TL/600TL/800TL Microinverter



#### Main Features

- $\begin{tabular}{ll} \hline \end{tabular}$  Low photovoltaic input voltage,high and low voltage isolated,safe to use.
- Built-in MPPT,DSP control,DC to AC peak efficiency up to 94.20%.
- (3) Small and light-weighted, easy to install, IP67 class protection.
- (WIFI) WIFI Remote monitoring.
- (96) Model GT800L can be paralleled up to 6 units.

Technical Parameters / Model	GT400TL	GT600TL	GT800TL	
PV Input (DC)				
PV Max input Power (W)	250x2	350x2	450x2	
PV Max Input Voltage (V)		60		
Start-up Voltage (V)		30		
MPPT Voltage Range (V)		25~55		
Full Load MPPT Voltage Range (V)		33 ~ 55		
Operating Voltage Range (V)		16~60		
Max Input Current (A)	7A x2	12A x2	14A x2	
Maximum input short-circuit current (A)	15A x2	20A x2	25A x2	
Number of MPP Trackers		2		
AC Output				
Rated Output Power (W)	400	600	800	
Nominal Output Current (A)	1.74	2.6	3.48	
Maximum Output Power (VA)	400	600	800	
Nominal Grid Voltage (V)		230 (single-phase)		
Grid Voltage Range (V)	184 ~ 264VAC	184 ~ 264VAC	194 ~ 264VAC	
Nominal Grid Frequency (Hz)		50Hz / 60Hz		
Max. Total Harmonic Distortion		<3%(rated power)		
Power Factor		>0.99		
Max Paralle	11pcs	7pcs	5pcs	
Anti-islanding Protection		Yes		
AC Short Circuit Protection		Yes		
System				
Max. Efficiency		94.2%		
Protection Class		CLASS I		
Protection Level		IP67		
Cooling Method	Natural Cooling			
Monitoring	WIFI			
Operating Temperature Range (°C)	-40 ~ +65			
Manufacturer's Warranty	10 Years			
Mechanical Data				
Dimensions (W ×H × Dmm)		295 x 255 x 48		
Weight (kg)		6Kg		
Product Certification				

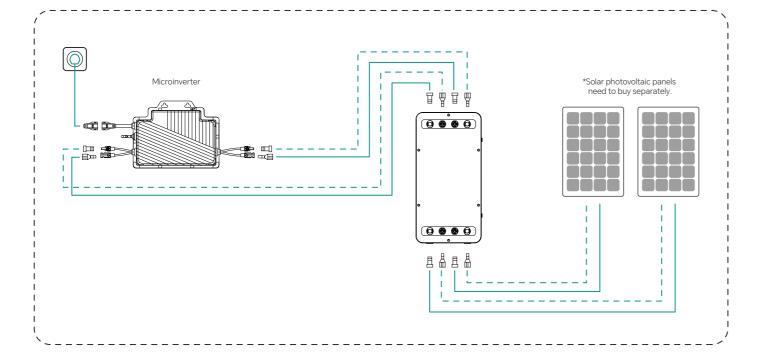
IEC 62321-3-1:2013; IEC 62321-4:2013+A1:2017; IEC 62321-5:2013; IEC 62321-6:2015; IEC 62321-7-1:2015; IEC 62321-7-2:2017; IEC 62321-8:2017 ENIEC 61000-6-3:2021; ENIEC 61000-6-1:2019; ENIEC 61000-3-2:2019+A1:2021; EN 61000-3-3:2013+A2:2021; EN 62109-1:2010; EN 62109-2:2011 VDE-AR-N 4105:2018; conjunction with DIN VDE V 0124-100:2020

### **B2.5K-XSLA** Balcony Solar Station

#### **Main Features**

- Basy plug-and-play installation, compatible with 99% of the market solar panels and microinverters.
- $\stackrel{\text{\tiny $\omega$}}{=} \quad \text{Support microinverter parallelism,} \textbf{Expand capacity and support greater output power}.$
- Noiseless design,IP65 waterproof,high temperature resistant fireproof material,Meet the conditions of all-weather use of the balcony.
- $\ensuremath{\widehat{\mathfrak{h}}}$  Lithium iron phosphate battery,7 layers of safety protection,6000+ cycles.
- Integrated MPPT,BMS power management technology,support battery 2240Wh-6720Wh capacity expansion.
- $\begin{tabular}{ll} \end{tabular} \begin{tabular}{ll} \end{tabular} \beg$

Technical Parameters / Model	B2.5K-XSLA	B2.5K-XSLA(EXTRA BATTERY)		
GENERAL				
Cell Chemistry		ifePO4		
Capacity		240Wh		
Nominal Current		50A		
Life cycle	6000+ Cycle:	s to 80% Capacity		
Storage Temp	-10°C~45°C	-20°C~60°C		
Operating Temp	-10°C~40°C	0°C~50°C		
Material	ABS	+ PC/Meta		
Weight	20±0.5kg	18±0.5kg		
Dimensions	350*2	95*175mm		
Battery Management System	OVP, UVP, OCP	, SCP, OTP, UTP, etc.		
Wireless	BT5.2 + WIFI 2.4G	/		
MC4*2 PV INPUT				
Power	500W*2 Max	/		
Voltage Range	12V~59V	/		
Max. Input Current	10A	/		
MC4*2 OUTPUT				
Power	400W*2 Max	/		
Voltage Range	42V~50.4V	/		
Max. Output Current	11.9A	/		
INPUT				
Battery Voltage Range		44.8V		
Charge Voltage	!	52.5V		
Charge Current		50A		
OUTPUT				
Discharge Current		100A		
DoD		90%		





# GH3600TL/4600TL/5000TL On-grid/Off-grid Hybrid Energy Storage PV Inverter

CE EN A CEI

(a) Multiple operating modes, on-grid, off-grid and UPS, MPPT charger built in.

Controlled by built-in DSP and adopt advanced SPWM technology.

(APP) Integrated smart APP,can remotely diagnose and update.

Of Droop control, Max 6pcs in parallel.

Main Features

(a) Suitable for customizing various PV Energy Storage System.

(48V) Compatible with almost all 48V LiFePO4 battery pack.

Technical Parameters / Model	GH3600TL	GH4600TL	GH5000TL
Battery Data			
Battery Type	Lithium / Lead-Acid	Lithium / Lead-Acid	Li-Ion / Lead-Acid
Nominal Battery Voltage (V)		51.2	
Battery Voltage Range (V)		41.6 ~ 58.5	
Max. Continuous Charging Current (A)	80	95	95
Max. Continuous Discharging Current (A)	85	100	100
Max. Charge Power (W)	3600	4600	5000
Max. Discharge Power (W)	3600	4600	5000
PV String Input Data			
Max. Input Power (W)	5200	6500	7000
Max. Input Voltage (V)		500	
MPPT Operating Voltage Range (V)		120 - 430	
Start-up Voltage (V)		150	
Nominal Input Voltage (V)		360	
Max. Input Current per MPPT (A)		15	
Max. Short Circuit Current per MPPT (A)		18.9	
Number of MPP Trackers		2	
Number of Strings per MPPT		1	
AC Output Data (On-grid)			
Rated Power Output to Utility Grid (W)	3600	4600	5000
Max. Apparent Power Output to Utility Grid (VA)	3960	5000	5500
Max. Apparent Power from Utility Grid (VA)	3960	5000	5500
Nominal Output Voltage (V)		220 / 230 / 240	
Nominal AC Grid Frequency (Hz)		50Hz / 60Hz	
Max. AC Current Output to Utility Grid (A)	17.2	20.0	23.9
Max. AC Current From Utility Grid (A)	17.2	22.0	23.9
Max. Total Harmonic Distortion		<3%	
Power Factor (cosØ)	~0.99 (Adjustable from 0.8 leading to 0.8 lagging)		
Switch Time	<10 ms		
AC Output Data (Back-up)			
Back-up Rated Power (W)	3600	4500	4500
Max. Output Apparent Power (VA)	3600	4500	4500
Max. Output Current (A)	15.6	20	20
Nominal Output Voltage (V)	10.0	220 / 230 / 240	
Nominal Output Freqency (Hz)	50 / 60		
Output THDv (@Linear Load)		<3%	
Conversion Efficiency		1070	
Max. Efficiency		97.8%	
EU Efficiency		97%	
Max. Battery to AC Efficiency		95%	
MPPT Efficiency		99.9%	
Protection		77.770	
Residual Current Monitoring		Integrated	
Anti-islanding Protection		Integrated	
Remote Shutdown		Integrated	
Protection Level		IP65	
Environmental / Ambient Conditions		ii 65	
Operating Temperature Range (°C)		-25 - +60	
Relative Humidity		-25 ~ +60	
	0 to 95 %, non-condensing		
Installation Altitude above Sea Level	up to 2000 m above sea level		
Cooling Method		Natural Cooling	
Monitoring Settings		Integrated data logger	
Other Data		050 500 000	
Dimensions (WxHxDmm)		350 x 580 x 230	
Weight (kg)		25±0.5	
Installation Type		Wall Installation with Wall Bracket	
Communication	CAN / RS485 / WiFi		
Manufacturer's Warranty		5 Years	

Test Standards

VDE 0126-1-1: 2013 + VFR: 2019 / VDE-AR-N 4105: 2018-11 + Correction 1:2020-1

EN IEC 61000-6-1: 2019 / EN IEC 61000-6-3: 2021 / EN 62109-1:2010 / EN 62109-2:2011 / EN 50549-1: 2019(1)

IEC 62321-3-1:2013 / IEC 62321-4:2013+A1:2017 / IEC 62321-5: 2013 / IEC 62321-7-1:2015 / IEC 62321-7-2:2017 / IEC 62321-6:2015 / IEC 62321-8:2017 / IEC 62116

ENA Engineering Recommendation G98 Issue 1 Amendment 6 / September 2021 / ENA Engineering Recommendation G99 Issue 1 Amendment 8, 01 / September 2021

RD 647/2020 / RD 413/2014 / RD 1699/2011 / UTE C15-712-1 (JUILET 2013) / DOC-030221-GAP / (EC) No. 1907/2006 / UNE-EN SO/IEC 17065

DIN VDEV 0124-100(VDE V0124-10):2020-06 / CEI-021:2019 CEI 0-21:2022-03+V1:2022-11 / NRS-097 / EMC(IEC61000-2-2&CISPR11)



# **G6.2K-P1LA** On-grid/Off-grid Hybrid Energy Storage PV Inverter

# C€

### Main Features

- P65 protection rating.
- (APP) Integrated smart APP, can remotely diagnose and update.
- (Ng) Droop control, Max 6pcs in parallel.
- Five-years warranty.

PV Input ICO           Meximum Pipul Voltage         500/w           Meximum Pipul Voltage         500/w           Sarring Voltage         150/w           Pri Jout Voltage Range         370/ +500 W           MPFT Voltage Range         120/ +500 W           MPFT Voltage Range         120/ +500 W           Meximum Vinput Current         180/ TBA           Voltage Plange         6000 W           Rated Output Plower         60000 W           Rated Output Plower         60000 W           Rated Output Current         22. A           Rated Output Current         23. A           Rated Output Current         23. A           Reside Grid Proguency         5000 Eligie phase           Ford Voltage Trage         250/ Ke Eligie phase           Rated Grid Proguency         5000 Eligie phase           Ford Voltage Trage         250 Vict Eligie phase           Rated Grid Proguency         5000 Eligie phase           Ford Voltage Plange         250 Vict Eligie phase           Ford Voltage Plange         250 Vict Eligie phase           Ford Voltage Plange         500 Vict Eligie phase           Rated Grid Proguency         500 Vict Eligie phase           Sale Collagati Tragency         500 Vict Eligie phase     <	Technical Parameters / Model	G6.2K-P1LA
Movimum brout Valtage         500V           Sketting Valtage         150V           PV bryd Valtage Brange         370V (190V-500V)           APPT Voltage Brange         120V-450V           APPT Countity         2           MPPT Countity         180V IBA           Mearman Pout Current         180V IBA           Output/part ACM         800W           Mearman Dutput Apparent power         6000W           Mearter Output Current         28.7A           Maximum Dutput Unrent         28.7A           Maximum Dutput Unrent         28.7A           Maximum Dutput Unrent         28.7A           Maximum Dutput Unrent         28.7A           Call Order Washer         28.7A           Maximum Dutput Unrent         28.7A           Call Service Order Control         28.7A           Maximum Dutput Dever         6000W           Rated Grid Prequency         50% (Sated power)           Flow Factor Brange         6000W           Maximum Dutput Power         6000W           Maximum Dutput Power         6000W           Maximum Dutput Power         6000W           Rated Culput Value         28.70           Rated Culput Power         6000W           Maxim	PV Input (DC)	
Meximum hout Voltage         500V           Starting Voltage Bange         370V (100V-500V)           MPPT Voltage Bange         170V-450V           MPPT Countity         2           MPPT Countity         2           MPPT Countity         2           Movimum Input Current         18A FAB           Movimum Input Quart Prover         6000W           Rated Quart Prover         23 NAC Stangle phase           Rated Quart Prover         25 NA A           Rated Quart Request         95 NE House Place P	•	7000w
Starting Voltage Range	·	
PM mput Voltage Range	<u> </u>	
MPPT Quartity		
MPPTO Quantity         2           Output/Input (AC)         18A/18A           Reted Output Power         6200W           Rated Output Power         6,000W           Rated Output Current         28.1A           Maximum Output Current         28.1A           Maximum Output Current         28.1A           Rated Girl Frequency         50Hz/RdR± (spile phase)           Foils Vellage Type         250Wc (single phase)           Total Current Wineform Distortion Rate         43% (rated power)           Power Factor Range         4000W           Maximum Output Power         6000W           Maximum Output Power         4000W           Maximum Output Power         4000W           Rated Output Prequency         750Hz/60Hz (spile phase)           Rated Output Prequency         750Hz/60Hz (spile phase)           Rated Output Votage         250Wc (single phase)		
Maximum Injust Current		
Cutput/Input (AC)           Rated Output Power         6200W           Maximum Output Apparent power         6600W           Rated Output Current         28.1A           Maximum Output Current         28.7A           Grid Voltage Type         2801AC (single phase)           Grid Voltage Type         2801AC (single phase)           Rated Grid Frequency         5841/60Hz (optional)           Total Current Waveform Distortion Rate         435 (stead power)           Power Extor Range         6000W           Maximum Output Power         6000W           Maximum Output Power         6000W           Rated Output Prequency         750Hz/60Hz (optional)           Rated Output Power         4000Mx           Rated Output Power         4000Mx           Rated Output Power         4000Mx           Rated Output Power         4000Mx           Rate Outpu	<u> </u>	18A/18A
Rated Output Power         6.000W           Maximum Output Current         26.1A           Maximum Output Current         28.7A           Maximum Output Current         28.7A           Crid Voltage Type         230VAC (single phase)           Rated Orbust Current         50Hz/60Hz (optional)           Total Current Waveform Distortion Rate         45M related powen)           Power Factor Range         >0.99 % full power (Adjustable range 0.8 lead ~ 0.8 hysteresis)           Off-Grid Output         6000W           Rated Output Frequency         6000W           Rated Output Frequency         6000W           Rated Output Frequency         5000W           Switching Time         510ms           Store Frequency         5000W           Switching Time         510ms           Coverload capacity         2 lines of rated power, 10 S           Battery Voltage Range         40~60V           Maximum Battery Charge Current         150A           Maximum Battery Discharge Current         150A           Battery Type         Lead-end or Lithium-lon           Communication Interface         8485; CAN           Maximum Efficiency         9%           Maximum Efficiency         9%           Protection Level		
Reted Output Current         28.1A           Maximum Output Current         28.7A           Grid Voltage Type         230VAC (single phase)           Rated Grid Frequency         50Hz/60Hz (clorule)           Total Current Weedorm Distortion Rate         -50Hz/60Hz (clorule)           Power Factor Range         -0.99 % full power (Adjustable range 0.8 lead - 0.8 hysteresis)           Off-Grid Output	·	6200W
Batter Output Current         26.1A           Maximum Cutput Current         287.A           Crid Voltage Type         230VAC (single phase)           Rated Grid Frequency         50Hz/60Hz (potnoal)           Chall Current Warderm Distortion Rate         -38 Yade powen)           Power Factor Range         >0.99 @ full power (Adjustable range 0.8 lead - 0.8 hysteresis)           Off-Grid Output         Warder Schot Range           Washiman Output Power         6000W           Rated Output Voltage         230VAC (single phase)           Rated Output Frequency         50Hz/60Hz (potnoal)           Switching Time         510Hz           Total Harmonic Distortion Linear Load)         71HD-23% Linear load-1.5%)           Overload capacity         2 times of rated power, 10 S           Battery         2 times of rated power, 10 S           Battery Voltage Range         40-60 V           Maximum Battery Dischage Current         100A           Maximum Battery Dischage Current         100A           Battery Yole         Lead-scal or Lithium-ion           Communication Interface         78%           Eliconey         99%           Inverter Efficiency         99,9%           Inverter Efficiency         94,8%           Protection Level	Maximum Output Apparent power	6600W
Maximum Output Current         28 7A           Grid Voltage Type         280VAC (single phase)           Rated Grid Frequency         50F4/60F4 (eptional)           Total Current Waveform Distortion Rate         <3% (rated power)	Rated Output Current	
Rated Grid Frequency         50Hz/60Hz (optional)           Total Current Waveform Distortion Rate         <3% (rated power)	· · · · · · · · · · · · · · · · · · ·	
Rated Grid Frequency	Grid Voltage Type	230VAC (single phase)
Total Current Waveform Distortion Rate	Rated Grid Frequency	<u> </u>
Power Factor Range         >0.99 € full power (Adjustable range 0.8 lead - 0.8 hysteresis)           Off-Grid Output           Maximum Output Power         6000W           Rated Output Voltage         230VAZ (Single phase)           Rated Output Frequency         750Hz/60Hz (optional)           Switching Time         \$10ms           Total Harmonic Distortion (Linear Load)         1HD<3% (Linear load<1.5%)           Overload capacity         a freed power, 10 S           Battery         William Battery Discharge Current         100A           Maximum Battery Discharge Current         150A           Maximum Battery Discharge Current         150A           Battery Type         Lead-acid or Lithium-ion           Communication Interface         98%           Efficiency         98%           Maximum Efficiency         97%           MPPT Efficiency         97.9%           MPPT Efficiency         97.9%           Protection Level         P65           Ambient Temperature         -25-60°C, >45°C Derating           Ambient Temperature         -25-60°C, >45°C Derating           Ambient Tempinative         -95% No condensation           Cooling Method         Smart cooling           Altitude         2000m	Total Current Waveform Distortion Rate	
Off-Grid Output           Maximum Output Power         6000W           Rated Output Voltage         230VAC (single phase)           Rated Output Voltage         750Hz/60Hz (optional)           Switching Time         510ms           Total Harmonic Distortion (Linear Load)         1ThD-c3% (Linear load-1.5%)           Overload capacity         2 times of rated power, 10 S           Battery         8           Battery Voltage Range         40-60V           Maximum Battery Charge Current         150A           Maximum Battery Discharge Current         150A           Maximum Efficiency         R5485; CAN           Communication Interface         R5485; CAN           Efficiency         97%           Maximum Efficiency         98%           European Efficiency         99.%           Inverter Efficiency         99.%           Inverter Efficiency         99.%           Protection Level         P6           Ambient Temperature         -25-60°C, 245°C Derating           Ambient Temperature         -25-60°C, 245°C Derating           Ambient Temperature         -26-60°C, 245°C Derating           Altitude         52000m           Display         LCD           Cornmunication	Power Factor Range	·
Rated Output Voltage         230VAC (single phase)           Rated Output Frequency         750Hz/60Hz (optional)           Switching Time         ≤10ms           Total Harmonic Distortion (Linear Load)         THD<3% (Linear load<1.5%)	Off-Grid Output	
Rated Output Frequency         750Hz/60Hz (optional)           Switching Time         ≤ 10ms           Total Harmonic Distortion (Linear Load)         1 HD<3% (Linear load<1.5%)	Maximum Output Power	6000W
Switching Time         ≤10ms           Total Harmonic Distortion (Linear Load)         THD<3% (Linear load<1.5%)	Rated Output Voltage	230VAC (single phase)
Total Harmonic Distortion (Linear Load)         THD<3% (Linear load<1.5%)           Overload capacity         2 times of rated power, 10 S           Battery         Washing           Battery Voltage Range         40-60V           Maximum Battery Charge Current         100A           Maximum Battery Discharge Current         150A           Battery Type         Lead-acid or Lithium-ion           Communication Interface         RS485; CAN           Efficiency         98%           Maximum Efficiency         98%           European Efficiency         97%           MPPT Efficiency         99-9%           Inverter Efficiency         99-9%           Inverter Efficiency         94-8%           System         Protection Level           Ambient Temperature         -25-60°C, >45°C Derating           Ambient Temperature         -25-60°C, >45°C Derating           Ambient Humidity         0-95% No condensation           Cooling Method         Smart cooling           Altitude         \$2000m           Display         LCD           Communication         LCD           Warranty         5 years (standard)           Other Data	Rated Output Frequency	750Hz/60Hz (optional)
Deveload capacity         2 times of rated power, 10 S           Battery           Battery Voltage Range         40-60 V           Maximum Battery Charge Current         100 A           Maximum Battery Discharge Current         150 A           Battery Type         Lead-acid or Lithium-ion           Communication Interface         RS485; CAN           Efficiency         98%           European Efficiency         97%           MPPT Efficiency         99.9%           Inverter Efficiency         99.9%           Protection Level         IP65           Ambient Temperature         -25-60°C, >45°C Derating           Ambient Humidity         0-95% No condensation           Cooling Method         Smart cooling           Altitude         ≤2000m           Display         LCD           Communication         LCD           Warranty         5 years (standard)           Other Data	Switching Time	· · · · · · · · · · · · · · · · · · ·
Battery         40-60V           Maximum Battery Charge Current         100A           Maximum Battery Discharge Current         150A           Battery Type         Lead-acid or Lithium-ion           Communication Interface         RS485; CAN           Efficiency         98%           European Efficiency         97%           MPPT Efficiency         99.9%           Inverter Efficiency         94.8%           System         Y           Protection Level         IP65           Ambient Temperature         -25-60°C, >45°C Derating           Ambient Humidity         0-95% No condensation           Cooling Method         Smart cooling           Altitude         ≤2000m           Display         LCD           Communication         LCD           Warranty         5 years (standard)           Other Data	Total Harmonic Distortion (Linear Load)	THD<3% (Linear load<1.5%)
Battery Voltage Range         40-60V           Maximum Battery Charge Current         100A           Maximum Battery Discharge Current         150A           Battery Type         Lead-acid or Lithium-ion           Communication Interface         R5485; CAN           Efficiency         Waximum Efficiency           Maximum Efficiency         98%           European Efficiency         97%           Inverter Efficiency         94.8%           System         Protection Level           Ambient Temperature         -25-60°C, >45°C Derating           Ambient Temperature         -25-60°C, >45°C Derating           Ambient Humidity         0-95% No condensation           Cooling Method         Smart cooling           Altitude         ≤2000m           Display         LCD           Communication         LCD           Warranty         5 year (standard)           Other Data	Overload capacity	2 times of rated power, 10 S
Maximum Battery Charge Current         150A           Battery Type         Lead-acid or Lithium-ion           Communication Interface         Rs48s; CAN           Efficiency         Ffficiency           Maximum Efficiency         98%           European Efficiency         97%           MPPT Efficiency         99.9%           Inverter Efficiency         94.8%           System         Protection Level           Ambient Temperature         -25~60°C, >45°C Derating           Ambient Humidity         0-95% No condensation           Cooling Method         Smart cooling           Altitude         ≤2000m           Display         LCD           Communication         LCD           Warranty         5 years (standard)           Other Data	Battery	
Maximum Battery Discharge Current Battery Type Lead-acid or Lithium-ion Comunication Interface RS485; CAN  Efficiency  Maximum Efficiency 98% European Efficiency 97% MPPT Efficiency 99.9% Inverter Efficiency 94.8%  System  Protaction Level Ambient Temperature Ambient Temperature Ambient Humidity 0-95% No condensation Cooling Method Altitude Display Communication LCD Warranty Other Data	Battery Voltage Range	40~60V
Battery Type         Lead-acid or Lithium-ion           Communication Interface         RS485; CAN           Efficiency         FMSW           Maximum Efficiency         98%           European Efficiency         97%           MPPT Efficiency         99.9%           Inverter Efficiency         94.8%           System         Frotection Level           Protection Level         IP65           Ambient Temperature         -25~60°C, >45°C Derating           Ambient Humidity         0~95% No condensation           Cooling Method         Smart cooling           Altitude         ≤2000m           Display         LCD           Communication         LCD           Warranty         5 years (standard)           Other Data         Tithium-ion	Maximum Battery Charge Current	100A
Communication InterfaceRS485; CANEfficiency98%Maximum Efficiency97%MPPT Efficiency99.9%Inverter Efficiency94.8%SystemProtection LevelIP65Ambient Temperature-25-60°C, >45°C DeratingAmbient Humidity0-95% No condensationCooling MethodSmart coolingAltitude≤2000mDisplayLCDCommunicationLCDWarranty5 years (standard)Other Data5 years (standard)	Maximum Battery Discharge Current	150A
EfficiencyMaximum Efficiency98%European Efficiency97%MPPT Efficiency99.9%Inverter Efficiency94.8%SystemProtection LevelIP65Ambient Temperature-25~60°C, >45°C DeratingAmbient Humidity0-95% No condensationCooling MethodSmart coolingAltitude≤2000mDisplayLCDCommunicationLCDWarranty5 years (standard)Other Data	Battery Type	Lead-acid or Lithium-ion
Maximum Efficiency         98%           European Efficiency         97%           MPPT Efficiency         99.9%           Inverter Efficiency         94.8%           System           Protection Level         IP65           Ambient Temperature         -25~60°C, >45°C Derating           Ambient Humidity         0-95% No condensation           Cooling Method         Smart cooling           Altitude         ≤2000m           Display         LCD           Communication         LCD           Warranty         5 years (standard)           Other Data         Other Data	Communication Interface	RS485; CAN
European Efficiency       97%         MPPT Efficiency       99.9%         Inverter Efficiency       94.8%         System         Protection Level       IP65         Ambient Temperature       -25~60°C, >45°C Derating         Ambient Humidity       0-95% No condensation         Cooling Method       Smart cooling         Altitude       ≤2000m         Display       LCD         Communication       LCD         Warranty       5 years (standard)         Other Data       Other Data	Efficiency	
MPPT Efficiency         99.9%           Inverter Efficiency         94.8%           System         Protection Level         IP65           Ambient Temperature         -25-60°C, >45°C Derating           Ambient Humidity         0-95% No condensation           Cooling Method         Smart cooling           Altitude         ≤2000m           Display         LCD           Communication         LCD           Warranty         5 years (standard)           Other Data         Other Data	Maximum Efficiency	98%
Inverter Efficiency  System  Protection Level IP65  Ambient Temperature -25-60°C, >45°C Derating  Ambient Humidity 0-95% No condensation  Cooling Method Smart cooling  Altitude ≤2000m  Display LCD  Communication LCD  Warranty 5 years (standard)  Other Data	European Efficiency	97%
System           Protection Level         IP65           Ambient Temperature         -25-60°C, >45°C Derating           Ambient Humidity         0-95% No condensation           Cooling Method         Smart cooling           Altitude         ≤2000m           Display         LCD           Communication         LCD           Warranty         5 years (standard)           Other Data         Other Data	MPPT Efficiency	99.9%
Protection Level     IP65       Ambient Temperature     -25~60°C, >45°C Derating       Ambient Humidity     0-95% No condensation       Cooling Method     Smart cooling       Altitude     ≤2000m       Display     LCD       Communication     LCD       Warranty     5 years (standard)       Other Data	Inverter Efficiency	94.8%
Ambient Temperature       -25~60°C, >45°C Derating         Ambient Humidity       0-95% No condensation         Cooling Method       Smart cooling         Altitude       ≤2000m         Display       LCD         Communication       LCD         Warranty       5 years (standard)         Other Data       Other Data	System	
Ambient Humidity  Cooling Method  Altitude  Display  Communication  UCD  Warranty  Other Data  D-95% No condensation  Smart cooling  EQUUM  LCD  LCD  LCD  Syears (standard)	Protection Level	IP65
Cooling Method     Smart cooling       Altitude     ≤2000m       Display     LCD       Communication     LCD       Warranty     5 years (standard)       Other Data     Other Data	Ambient Temperature	-25~60°C, >45°C Derating
Altitude \$2000m  Display LCD  Communication LCD  Warranty 5 years (standard)  Other Data	Ambient Humidity	0-95% No condensation
Display LCD Communication LCD Warranty 5 years (standard) Other Data	Cooling Method	Smart cooling
Communication LCD Warranty 5 years (standard) Other Data		≤2000m
Warranty 5 years (standard) Other Data	Display	LCD
Other Data		
	•	5 years (standard)
Installation Wall-mounted		
	Installation	Wall-mounted



# G6K/8K/10K/12K-P1LA Single Phase Hybrid Inverter

# C€

#### Main Features

- Maximum charge/discharge current: 190A.
- Up to 16 units can be connected in parallel during grid-connected and off-grid operation, supports parallel connection of multiple batteries.
- Supports AC AC coupling to retrofit existing solar systems.
- © Color touch screen IP65 protection level.
- Directly supports diesel generator power without external converter.
- 6 programmable time periods with different operational modes.

Technical Parameters / Model	G6K-P1LA	G8K-P1LA	G10K-P1LA	G12K-P1LA
PV String Input Data				
Max. DC Input Power (W)	7800	10400	13000	15600
Rated PV Input Voltage (V)	, 500		5V~500V)	10000
MPPT Voltage Range(V)	150~430V		425V	
Max. Power DC voltage range	100 4000		-425V	
Start-up Voltage(V)			25V	
Max. DC Short-circuit Current (A)	22+22	26+26	26+26+26	26+26+26
Number of MPPTS	2	20.20	25.25.25	20.20.20
Number of Strings per MPPT	2+2	2+2	2+2+2	2+2+2
Efficiency				
Maximum Efficiency		97.	60%	
European Efficiency			50%	
MPPT Efficiency			9%	
AC Output				
Rated AC output power(W) and Rated output power UPS(W)	6000	8000	10000	12000
Max AC output Active Power (W)	6600	8800	11000	13200
Peak Power (Off-grid)			ower, 10 seconds	1
AC Output Rated current (A)	27.3	34.8	43.5	52.2
Max AC Output Current (A)	30	38.2	47.8	57.4
Rated AC current of BYPASS relays(A)	40	50	60	60
Power Factor			:o 0.8 (lagging)	1 00
Output frequency and voltage			0/230V (single phase)	
Grid Type			Phase	
THDI (Rated power)			ninal p ower)	
Grid DC component			5% In	
Battery		-0.1	370 111	
Battery Type		Lead-acid or L	_ithium Battery	
Rated battery voltage			-60	
Maximum Charging Current (A)	135	190	220	250
Maximum Discharge Current (A)	135	190	220	250
Charging Curve				
External Temperature Sensor	Three-stage Charging/Equalization Charging  Available			
Battery Management System	Adaptive BMS System			
Protection			,	
PV Arc Fault Detection		Ava	ilable	
PV Input Lightning Protection			ilable	
Anti-islanding Protection			ilable	
PV String Input Reverse Polarity Protection			ilable	
Insulation Resistor Detection			ilable	
Residual Current Monitoring Unit			ilable	
Output Over Current Protection			ilable	
Output Shorted Protection			ilable	
Surge Protection			ilable	
Over Voltage Category			/ AC Type III	
Certifications and Standards		ээ.урсп	.76	
Grid Certification		IEC61727/621	16,EN50549-1	
Safety/EMC Standards	IEC/EN 62109-1 JEC/E		EC/EN 61000-6-2,IEC/EN 61000-	-6-3.IEC/EN 61000-6-4
Other	120/21V021V/ 1,/LU/LI	. 52.07 Z,120/21401000 0-1,12	.5, E. 10 1000 0 2, IEO/EN 0 1000	5 5,120/21401000 0-4
Operating Temperature Range (°C)		-√0,4√0,00	45°C Derating	
Cooling Method			Cool ing	
Sooning Proceiou				
Violen Level (dR)	<30 dB			
			1 LAND	
BMS Communication Port		Rs48		
BMS Communication Port Weight (kg)		2	24	
BMS Communication Port Weight (kg) Cabinet size(mm)		330W×580H×232D(Excludin	24 ng Connectors And Brackets)	
Noise Level (dB) BMS Communication Port Weight (kg) Cabinet size(mm) Protection Level Installation Method		330W×580H×232D(Excludir	24	



# G8K/10K/12K-P3LA 3 Phase Inverter On-grid/Off-grid Hybrid Energy Storage

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#### Main Features

- Maximum charge/discharge current: 240A.
- 48V low-voltage battery with integrated transformer for safety isolation.
- Frequency droop control, supporting parallel operation of up to 10 units.
- AC-coupled compatibility for retrofitting existing solar systems.
- 100% three-phase unbalanced output, with each phase capable of delivering up to 50% of rated power.
- Direct support for diesel generators without the need for external converters.
- 6 programmable time periods with different operational modes.

	<i></i>			
Technical Parameters / Model	G8K-P3LA	G10K-P3LA	G12K-P3LA	
PV Input				
Max. DC Input Power (W)	10400	13000	15600	
Rated DC Input Power(V)		550 ( 160-800)		
Start-up Voltage(V)		160		
MPPT Voltage Range(V)		200-650		
MPPT Voltage Range (V)		350-650		
Max. DC Input Current per String (A)	13+13	26+13	26+13	
Max. DC Short-circuit Current (A)	17+17	34+17	34+17	
Number of MPPTS		2		
Number of Strings per MPPT	1+1	2+1	2+1	
Efficiency				
Maximum Efficiency		97.6%		
European Efficiency		97.0%		
MPPT Efficiency		99.0%		
AC Output				
Rated AC Output Power(W)	8000	10000	12000	
Max. AC Output Power (W)	8800	11000	13200	
Peak Power (Off-grid)		2 times rated power, 10 seconds		
Rated AC Output Current (A)	12.1	16.7	18.2	
Max. AC Current(A)	13.4	18.4	20	
Maximum Output Short-circuit Current (A)		75		
Maximum Continuous AC Output Current (A)		45		
Power Factor		0.8 (leading) to 0.8 (lagging)		
AC Output Frequency and Voltage	50.	/60Hz; 220/380Vac, 230/400Vac (three-phase	.)	
Grid Type	Three-phase four-wire			
Current Harmonics	<3% (of nominal power)			
Grid DC component		<0.5% In		
Battery				
Battery Type		Lead-acid or Lithium Battery		
Battery Voltage Range (V)		40-60		
Maximum Charging Current (A)	160	200	240	
Maximum Discharge Current (A)	160	200	240	
Charging Curve	7	Three-stage Charging/Equalization Charging		
External Temperature Sensor	Available			
Battery Management System		Adaptive BMS System		
Protection				
PV Input Lightning Protection		Available		
Island Protection		Available		
Reverse Polarity Protection for DC		Available		
Insulation Impedance Detection		Available		
Leakage Current Monitoring Protection		Available		
Output Over current Protection		Available		
Output Short-circuit Protection		Available		
Output Over voltage Protection		Available		
Surge Protection	Two-stage lightning	protection on DC side, two-stage lightning pro	otection on AC side	
Over voltage Protection		protection on DC side, three-stage lightning pr		
Certifications and Standards	3 3 31	5 5 51		
Grid Certification		IEC61727/ 62116,EN50549-1		
Safety/EMC Standards	IFC/ FN 61	1000-6-1/ 2/ 3/ 4, I EC/ EN 62109-1, I EC/ EN 6	52109-2	
Other	ieo/ ENO			
Operating Temperature Range (°C)		-40-60°C, >45°C Derating		
Cooling Method		Smart Cooling		
Noise Level (dB)		≤50 dB		
BMS Communication Port		RS485; CAN		
		KS485; CAN WIFI+APP		
Smart Monitoring Weight (kg)				
Weight (kg)	700	37.5	-1	
Dimensions (Height x Width x Thickness mm)	/02	×422×281 (Excluding Connectors And Bracket	S)	
Protection Level		IP65		
Installation Method		Wall-mounted		
Warranty		5 Years ( 10 Years Optional)		



# G4K/5K/6K/7K/8K/10K-P3HE 3 phase High voltage Inverters



#### Main Features

- 150% DC input oversizing 2 MPPTs Max. efffciency 98.2%
- Quick access to VPP platform Smart load management through dry contact Stackable design, easy to expand capacity

Technical Parameters / Model	G4k-P3HE	G45k-P3HE	G6k-P3HE	G7k-P3HE	G8k-P3HE	G10k-P3HE
Input data(DC)						
Max.recommended PV power(for module STC)	6000W	7500W	9000W	10500W	12000W	15000W
Max.DC voltage			1000V			
Start voltage			120V			
Nominal voltage			600V			
MPP work voltage range			120V-1000	V		
Number of independent MPP tracker			2			
No. of PV strings per MPP tracker			1			
Max.input current per MPP tracker			13.5A			
Max.short-circuit current per MPP tracker			16.9A			
AC output(Back-up)						
AC nominal output power	4000W	5000W	6000W	7000W	8000W	10000W
Max.AC apparent power	4000VA	5000VA	6000VA	7000VA	8000VA	10000VA
Nominal AC voltage			220V/380V,230	V/400V		
Nominal AC frequency			50/60Hz			
Max.output current	6.1A	7.6A	9.1A	10.6A	12.1A	15.2A
THDV			<3%			
BAT Data(DC)						
Battery voltage range			100~550\	/		
Max.charging/discharging current			25A/25A			
Continuous charging/discharging power	4000W	5000W	6000W	7000W	8000W	410000W
Type of battery	· · · · · · · · · · · · · · · · · · ·		lithium ion ba	ttery	<u> </u>	
Max.efficiency			97.6%			
Euro weighted efficiency			97.2%			
MPPT efficiency			≥ 99.9%			
AC input/output (On-grid)						
AC nominal power	4000W	5000W	6000W	7000W	8000W	10000W
Max.AC apparent power	4000VA	5000VA	6000VA	7000VA	8000VA	10000VA
Nominal AC voltage/range			220V/380V,230°	V/400V		
AC grid frequency/range			50/60,±5F	łz		
Max. output current	6.1A	7.6A	9.1A	10.6A	12.1A	15.2A
Displacement power factor, configurable			0.8leading0.8	lagging		
THDI			<3%			
AC connection			3W+N+PE			
General data						
Dimensions(W/H/D)in mm			545*480*1	90		
Weight			31KG			
Operating temperature range		-25° C ~+60°	C (-13~+140 °F) with d		13 °F	
Noise emission (typical)			≤ 25 dB(A	\		
Altitude			4000m			
Self-consumption			< 13 W			
Cooling method			Natural			
Degree of protection			IP66			
Protection						
DC reverse polarity protection			yes			
DC switch			yes			
DC Surge protection			yes			
Insulation resistance monitoring			yes			
AC surge protection			yes			
AC short-circuit protection			yes			
Ground fault monitoring			yes			
Grid monitoring			yes			
Anti-islanding protection			yes			
Residual-current monitoring unit			yes			
Features			14040111	4)		
DC connection			MC4/H4(op			
AC connection			Connecto			
BAT connection			Connecto			
Display			LED&AP			
Interfaces:RS485/USB /CAN/Wi-Fi/GPRS			yes /yes /yes/o	pt/opt		
Warranty: 5 years/10 years			yes/opt	/0400 0		
			IEC 62109-1,IEC	62109-2		
Safety EMC			EN IEC 61000-6-1,EN I			

IEC 61727,IEC 60068,IEC 61683,EN 50530



# OH3600TL/OH5000TL Off-grid Hybrid Energy Storage PV Inverter

# C€ <u>IEC</u>

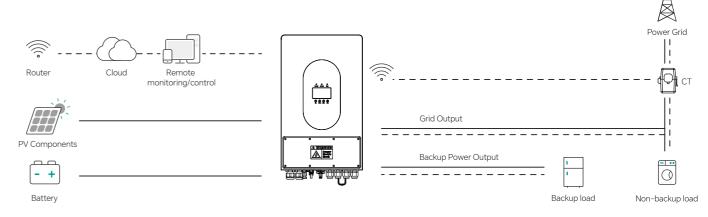
#### Main Features

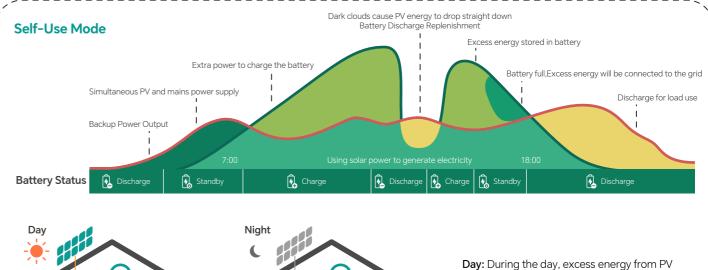
- Multiple operating modes, off-grid and UPS, MPPT charger built-in.
- (48V) Compatible with almost all 48V LiFePO4 battery pack.
- (APP) Integrated smart APP, can remotely diagnose and update.
- $(M_0^2)$  Max. 6pcs in parallel ( Only OH5000TL) .
- $\ensuremath{\fbox{\textcircled{$\bf B}$}}\xspace$  Suitable for customizing various PV Energy Storage System.
- (48V) Automatic activation of LiFePO4 battery pack.

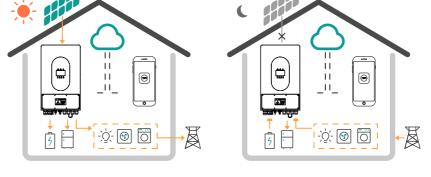
Technical Parameters / Model	OH3600TL	OH3000TL-HP	OH5000TL
Battery Data			
Battery Type	Lead-Acid	Lithium / Lead-Acid	Lithium / Lead-Acid
Nominal Battery Voltage (V)	24	24	48
Max. Continuous Charging Current (A)	120	120	80
Max. Charge Power (W)	3200	3200	4500
Max. Discharge Power (W)	3000	3000	5000
PV String Input Data		·	1
Max. Input Power (W)	2000	4000	6000
Max. Input Voltage (V)	145	500	500
MPPT Operating Voltage Range (V)	30-115	120-430	120-430
Start-up Voltage (V)	30	150	150
Nominal Input Voltage (V)	100	300	300
Number of MPP Trackers	100	1	300
Number of Strings per MPPT		1	
AC Output Data		'	
Rated Power (W)	3600	3000	5000
	13.6	13.6	21.7
Nominal Output Current (A)	13.0		21./
Nominal Output Voltage (V)		208 / 220 / 230 / 240 VAC	
Nominal Output Frequency (Hz)		50Hz / 60Hz	DE 0.7)
Output THDv	S3	3% (Linear Load), ≤5% (Non-linear Load	PF=U./)
Conversion Efficiency			1
Max. Efficiency	93.5%	93.5%	93.6%
MPPT Efficiency		99.9%	
Protection			
AC Overcurrent Protection	Integrated		
AC Short Circuit Protection		Integrated	
AC Overvoltage Protection		Integrated	
Remote Shutdown		Integrated	
Environmental / Ambient Conditions			
Operating Temperature Range (°C)	0~+50		
Excess Temperature Behaviour)		Continuous power reduction (deratin	ıg)
Relative Humidity	0 to 95 % (climate class 4k6), non-condensing		
Installation Altitude above Sea Level	Up to 2000m above sea level		
Installation Location		Inside	
Cooling Method		Air Cooling	
Mechanical Data			
Dimensions (W × H × D mm)		300 x 485 x 120	
Weight (kg)	8.8±0.5	8.8±0.5	9.5±0.5
Protection Level		IP20	
Installation Type		Wall Installation with Wall Bracket	
Communications			
Display		LCD, WLAN + APP	
Monitoring Settings	Integrated data logger		
Communication with BMS	CAN		
Commun Wifi ication with Portal		Wifi	
Other Data			
Topology		Transformerless	
**		Integrated	
Reliability		integrated	
Reliability  Manufacturer's Warranty		2 Years	

EN IEC 61000-6-3:2021 EN IEC 61000-6-1:2019 EN 62920:2017+A1:2021 EN IEC 61000-3-2:2019/A1:2021 EN 61000-3-3:2013/A2:2021

### **Intelligent Energy Solution**





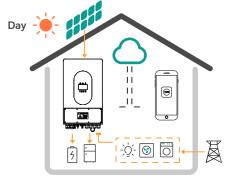


panels is used for local loads first, then for charging the battery, and finally sent to the grid.

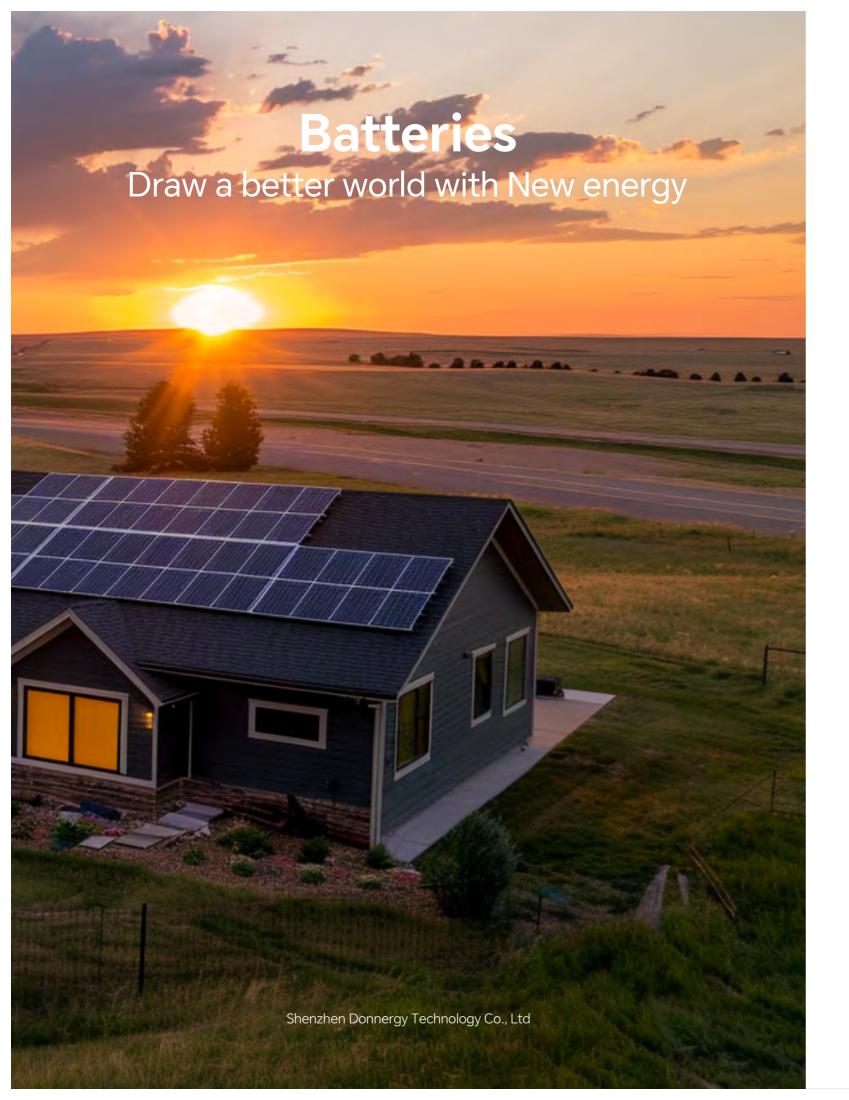
**Night:** At night, if there is no PV energy, the stored battery energy and grid supply local loads together.



**Off-Grid Mode:** In this mode, only the Back-up interface outputs AC power, while the PV and battery only supply off-grid loads.



**Economic Mode:** Forced timing mode allows the grid to charge the battery. Charging time and power are adjustable.





# LFBAT 51100-EU-W Wall Mounted Battery With 90mm thickness

C€

#### Main Features

- (a) Built-in Grade A LiFePO4 battery cell, highly reliable and durable.
- $\stackrel{(\stackrel{}{\Rightarrow})}{=}$  90MM ultra-thin wall mounted design, perfectly fit for your beautiful home.
- $_{\mbox{\scriptsize BMS})}$  All datas and settings from battery is under control and easy to manage the storage system.
- Built-in fuse in each battery cell, making it super safe and reliable.
- (CD) LCD display can support different setting and is easy to use.
- (<u>\( \limes\) \( \) Pre-heating function optional.</u>

Technical Parameters / Model	LFBAT 51100-EU-W	Remarks
Nominal energy	5120Wh	Standard charging and discharging test
Series parallel connection mode		16S1P
Nominal capacity	100Ah	Standard charging and discharging test
Nominal voltage		51.2V
Operating voltage range	40 ~ 58.4V	Temperature range:-20 ~ 65°C
Operating temperature (Charging)		0 ~ 65°C
Operating temperature (Discharging)	-	20 ~ 65℃
Standard charging	Constant current charging:50A Charging voltage: 58.4V Cut off current: 5A	Maximum unit voltage 3.65V
Maximum Output Apparent power	Constant current charging:100A Charging voltage: 58.4V Cut off current: 5A	Maximum unit voltage 3.65V
Standard discharging	Constant current dischargin: g 50A Cut off voltage: 40V	Minimum unit voltage 2.5V
Maximum continuous discharging current	Constant current discharging: 100A Cut off voltage: 40.0V Minimum unit voltage 2.5V	
Standard power	2	2560 watt
Storage temperature	-20~65	Humidity ≤95%ROH, no condensation.
Cycle life	The capacity decays to 80Ah Number of cycles ≥ 6000	80% DOD, @ 25±2°C, standard charging and discharging mode
Monthly self discharging	≤2.5%/month	After 3 months' shipment, the battery will be charged to 40%SOC and stored at @ 25±2°C
Monitoring communication	CAN/	RS485/RS232
Balanced approach	Passiv	re equalization
Shipping capacity	SOC 30 ~ 70% (TBD)	SOC 30 ~ 70% (TBD)
Weight (kg)		52
Dimensions (W ×H × Dmm)	660	x 830 x 190
Protection Level		IP20
Certificate		51000-6-1:2019 51000-6-3:2021



# **B2.5K-XWLA** Wall Mounted Lithium Battery

C€

### Main Features

- $\begin{tabular}{ll} \hline \end{tabular} \begin{tabular}{ll} \hline \end{tabular} Dynamic recognition and automatic parallel operation, without dialing codes. \\ \hline \end{tabular}$
- Multi-machine linkage on/off machine
- $\begin{tabular}{ll} \textcircled{\$} & \textbf{Standard Bluetooth, upgrade within 1m, and monitor within 3m.} \end{tabular}$

Technical Parameters / Model	B2.5K-XWLA
Nominal Characteristics	
Туре	LiFePO4 Battery
Pack Method	8S1P
Nominal capacity	100Ah
Nominal voltage	25.6V
Energy	2560Wh
Charge method	CC/CV
Charge cut-off voltage	29.2V
Discharge cut-off voltage	20V
Standard charge current	50A
Max. continues charge current	100A
Standard discharge current	50A
Max. continues discharge current	100A
Discharge depth	100%
Operating efficiency	98%
Cycle life	6,000 times
Internal impedance	≤50mΩ
Dimension	L470 x W470 x H165mm
Communication Mode	CAN, RS485
Wireless monitoring and upgrading	Bluetooth as standard (4G optional)
Overall upgrade	OTA overall upgrade
Weight	Approx. 28KG
IP level	IP21
Maximum parallel quantity	16
Working temperature range	Charge: 0°C55°C Discharge: -10°C55°C
Storage Temperature	-20°C60°C



# **B5K-XWLA** Wall Mounted Lithium Battery



#### Main Features

- $\begin{tabular}{ll} \hline \textcircled{\ } & \textbf{Dynamic recognition and automatic parallel operation, without dialing codes.} \\ \hline \end{tabular}$
- Multi-machine linkage on/off machine
- Standard Bluetooth, upgrade within 1m, and monitor within 3m.
- PCS APP supports matching different brands of PCS protocols.

Technical Parameters / Model	B5K-XWLA
Nominal Characteristics	
Туре	LiFePO4 Battery
Pack Method	16S1P
Nominal capacity	100Ah
Nominal voltage	51.2V
Energy	5120Wh
Charge method	CC/CV
Charge cut-off voltage	58.4V
Discharge cut-off voltage	40V
Standard charge current	50A
Max. continues charge current	100A
Standard discharge current	50A
Max. continues discharge current	100A
Discharge depth	100%
Operating efficiency	98%
Cycle life	6,000 times
Internal impedance	≤50mΩ
Dimension	L620 x W470 x H165mm
Communication Mode	CAN, RS485
Wireless monitoring and upgrading	Bluetooth as standard (4G optional)
Overall upgrade	OTA overall upgrade
Weight	Approx. 49KG
IP level	IP21
Maximum parallel quantity	16
Working temperature range	Charge: 0°C55°C Discharge: -10°C55°C
Storage Temperature	-20°C60°C



# **B10K-XWLE** Battery Energy Storage System

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#### Main Features

- A-grade REPT cells ensure superior performance stability.
- $\hbox{\scriptsize \hbox{\tiny BMS}}\quad \hbox{\scriptsize Dual-protection BMS enhances safety against overcharge/discharge}.$
- $_{\mbox{\scriptsize PCB}}$  PCB integration technology prevents short-circuits.
- (P65) IP65 waterproof design enhances durability.
- WIF) WIFI monitoring and OTA firmware upgrades reduce after-sale costs.
- Supports up to 16 units in parallel for strong scalability.

Technical Parameters / Model	B10K-XWLE
Nominal Characteristics	
Rated Capacity	104Ah
Туре	CB74-104Ah
Nominal Voltage	3.2V
Internal Impedance	≤0.4 mΩ
Standard charge	0.5C
Standard discharge	1C
Standard Charge Cut-off Voltage	13.65V
Standard Discharge Cut-off Voltage	2.5V
Dimension	52.3±0.5(T)*148.4±0.6(W)*119±0.6(H)mm
Weight	1.93±0.1kg
Operating Temperature Range	1-20~60℃
Combination method	2P16S
Rated Capacity	208Ah
Туре	51.2V208Ah,10.64kWh
Nominal capacity	10.64kWh
Nominal voltage	51.2V DC
Voltage at end of Discharge	2.7V~ 43.2V
Recommended charging voltage by manufacturer	56.8V or 3.55V/any cell
Internal Impedance	≤40mΩ
Standard charge	90A
Max Charging Current(lcm)	100A
Upper limit charging voltage	56.8V or 3.55V/cell
Standard discharge	90A
Max continuous Discharging current	100A
Discharge Cut-off voltage(Udo)	43.2V
Recommend charging method declared by the manufacturer	Charged with constant current 90A until battery voltage reaches 56.8V, then switch to constant voltage 56.8V. til charge current drops to 20A
Recommend discharging method declared by the manufacture	Discharged the battery with constant current 90Ato end of discharge cut-off voltage 43.2V
Operation Temperature Range	Charge: 3~47°C Discharge: -7~47°C
Storage Temperature Range	-20°C~60°C
Battery system Size/Weight	(L762*W518*H164)±3mm/85±3kg
Packing size	L870*W595*H245mm
Class of protection	IP65



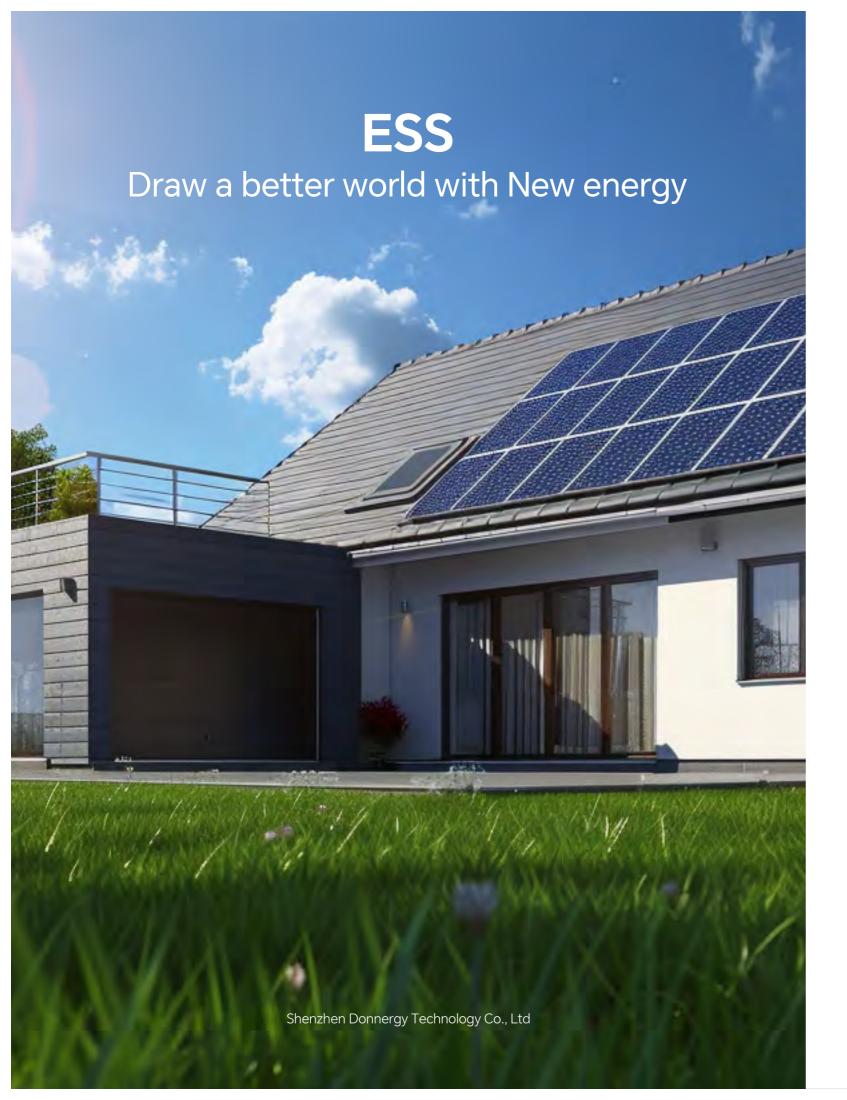
# **B5K-XRLA** Tower Battery

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#### Main Features

- $\begin{tabular}{c} \end{tabular}$  Supports multiple brands of energy storage inverters.
- (BMS) Intelligent BMS equipped inside to maintain the battery always work at best condition.
- (MAX) Max. charge and discharge current as 150A which is specially designed for solar energy.
- ② LiFePO4 battery, more stable and safe.
- Excellent standby self-consumption as low as 4mA.
- (um) Automatically output cut off after 30days nocharge and discharge to ensure security also can cut off output by manual operation.

Technical Parameters / Model	B5K-XRLA
Nominal Characteristics	
Nominal Voltage	51.2V
Nominal Capacity(25°C,0.2C)	100Ah
Mechanical characteristics	
Net weight	46.0KG
Dimension L*W*H	565*440*132mm
Terminal	Double M6
Electrical characteristics	
Voltage window	44.8V to 58.4V
Charge voltage	55.2V to 57.6V
Max.continue discharge current	100A
Max.pulse discharge current	150A 1Sec.
Max.continue charge current	50A
Operating conditions	
Cycle life(+25C,0.5C,90%DOD,60%EOL)	>6000 Cycles
Operation temperature	Discharge -10°C to +50°C Charge 0 °C to +50°C
Storage temperature	0 to 30°C
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
Protection Level	IP20





# **Residential ESS With EV Charger**

CE EN EC 🐵

# Main Features

- PV, Storage, EV charging and Power distribution Integrated.
- Controlled by built-in DSP and adopt advanced SPWM technology.
- Modular design for good expansibility, up to 6 battery modules in parallel.
- (2) Easy Installation within 20 minutes individually.
- 24-hour real-time online monitoring.
- (!) Wheels for the machine are optional and available at an additional cost.

Technical Parameters / Model	GA5k/7K/5K~30KSL	GA8k/11K/10K~50KSL		
Inverter Data				
AC Output Rated Power	5KW	8KW		
Max. PV Input Power(W)	7000W	11000W		
PV Input Voltage Range(V)	150 ~ 500	150 ~ 1000		
MPPT Operating Voltage Range(V)	120 ~ 430	150 ~ 800		
Number of MPPT rackers		2		
Number of Strings per MPPT		1		
Max. Input Current per MPPT	15A/15A	18A/18A		
Nominal Utility Grid Voltage(V)	220/230/240	380/400		
Nominal Utility Grid Frequency(Hz)	5	0/60		
Rated Power Output to Utility Grid(W)	5000	8000		
Max. Apparent Power Output to Utility Grid(VA)	5500	8800		
Back-up Rated Power(W)	4500	7200		
Switch Time	<10ms	<15ms		
Battery Data		·		
Battery Type	LiFePO4	Lithium / Lead-Acid		
Single Battery Energy(kWh)	5.12	10		
No. of Expandable Batteries		6		
Usable Energy Range(kWh)	25.12 ~ 30.72	10.24 ~ 61.44		
Battery Voltage Range(V)	41.6 ~ 58.5	41.6 ~ 58.5		
EV Charger Data		'		
Rated Power(W)	7000	11000		
Nominal Voltage(V)	220 / 230 / 240	380/400		
Nominal Frequency(Hz)	50 / 60	99.9%		
Operation Mode		charger plug to start automatically ntment for charging		
Output cable	5m AC ch	5m AC charging cable		
Convention Efficiency		3 3		
Max. Efficiency		98%		
EU Efficiency	97%	97.5%		
Max. Battery to AC Efficiency	95%	94.5%		
MPPT Efficiency	9	9.9%		
System Data				
Operating Temperature Range (°C)	-25 ~ 55°C	-25 ~ 60°C		
Relative Humidity	≤95% (25°C)	≤0-95%		
Vibration	< 0.5G	< 0.5G		
Noise	< 35 dB	< 25 dB		
Installation Altitude above Sea Level	< 2000m	≤4000m		
Protection Level	IP54	IP66		
Cooling Mode	Natural Cooling	Air Cooling		
Communication	9	/CAN/WiFi		
Inverter Dimensions (W ×H × D mm)		557 x 370		
EV Charger Dimensions (W ×H × D mm)		270 x 370		
Single Battery Dimensions(W×H×D mm)		585 x 270 x 370		
Base Dimensions (W ×H × D mm)	680 x 110 x 378			



Technical Parameters / Model

Battery Type

Rated Voltage(V)

# O5K/5K~30K-XSLA All-in-One Stackable Energy Storage System

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#### Main Features

- $\begin{tabular}{ll} \begin{tabular}{ll} \beg$
- UPS Supports off-grid and UPS working modes.
- (6) 5kWh to 30kWh, with flexible energy configuration for the user.

LifePO4

Rated Voltage(V)			51.	2		
Rated Capacity(Ah)	100	200	300	400	500	600
Rated Energy(Wh)	5120	10240	15360	20480	25600	30720
Max. Operating Current(A)			10	0		
Cycle Times			≥6000 cycles @ 80%	5 DOD, 25 °C, 0.5C		
Charge Voltage(V)			56	)		
Discharge Cut-off Voltage(V)			46	<u> </u>		
Charge Temperature			0°C-6			
Discharge Temperature			-20°C-			
Storage Temperature			0 °C ~ 45 °C @ 6			
Technical Parameters / Model			O5K/5K~3			
			O3K/3K~3	UK-ASLA		
Battery Data						
Battery Type			Lithi			
Nominal Battery Voltage(V)			48			
Max. Continuous Charging Current(A)			80			
Max. Charge Power(W)			450			
Max. Discharge Power(W)			500	00		
PV Input Data						
Max. Input Power(W)			600	00		
Max. Input Voltage(V)			50	0		
MPPT Operating Voltage Range(V)			120 ~	430		
Start-up Voltage(V)			15	0		
Nominal Input Voltage(V)			30	0		
Number of MPPT Trackers			1			
Number of String per MPPT			1			
AC Output Data						
Rated Power(W)			500	10		
Nominal Output Current(A)			21.			
Nominal Output Voltage(V)	21.7					
Nominal Output Frequency (Hz)	50/60					
Output THDv (@Linear Load)	3000					
Coversion Efficiency	**************************************					
Max. Efficiency			02.4	.0/		
MPPT Efficiency	93.6% 99.9%					
Protection	77.770					
AC Overcurrent Protection	Integrated					
AC Short Circuit Protection	Integrated					
AC Over voltage Protection			Integr			
Remote Shutdown			Integr	ated		
Environmental/Ambient Conditions						
Operating Temperature Range(°C)			0 ~ 5			
Excess Temperature Behaviour			Excess Tempera			
Relative Humidity	0 ~95%					
Installation Altitude above sea level	Up to 2000m above sea level					
Cooling Method			Air Co	oling		
Mechanical Data						
Product dimensions (W x H x D mm)	\					
Protection Level	IP20					
Installation Type	Floor-standing					
Communications						
Display			LCD, WLA	N + APP		
Monitoring Settings						
3	Integrated data logger  CAN					
Communication with BMS	CAN WiFi					
Communication with BMS Communication with Portal			\A/si	Ei		
Communication with Portal			Wil	Fi		
			Wil			



# O10K/5K~30K~XSLA All-in-One Stackable Energy Storage System



#### Main Features

- Integrated inverter and storage battery, built-in MPPT controller.

  Supports off-grid and UPS working modes.
- (a) Adopting high cycle times, LiFePO4 cells and intelligent system.
- (6) 10kWh to 50kWh, with flexible energy configuration for the user.

  Cloud energy management application, cell phone & computer can grasp system data at any time.

Technical Parameters / Model						
Battery Type	LifePO4					
Rated Voltage(V)	51.2					
Rated Capacity(Ah)	100					600
Rated Energy(Wh)	5120	10240	15360	20480	25600	30720
Max. Operating Current(A)	0120	10240	100		20000	00720
Cycle Times			≥6000 cycles @ 80%			
Charge Voltage(V)			56			
Discharge Cut-off Voltage(V)			46			
Charge Temperature			0°C-6			
Discharge Temperature			-20°C-			
Storage Temperature			0 °C ~ 45 °C @ 6			
Technical Parameters / Model			O10K/5K~3			
Battery Data			O TOTAL C	on ASLA		
Battery Type			Lithiu	ım		
Nominal Battery Voltage(V)			48			
Max. Continuous Charging Current(A)			160			
Max. Charge Power(W)			900			
Max. Discharge Power(W)			1000			
PV Input Data			1000			
Max. Input Power(W)			1100	10		
Max. Input Voltage(V)			450			
MPPT Operating Voltage Range(V)			120 ~ -			
Start-up Voltage(V)						
Nominal Input Voltage(V)			150			
Number of MPPT Trackers				)		
Number of String per MPPT	2					
AC Output Data	1					
Rated Power(W)	1000					
Nominal Output Current(A)						
Nominal Output Voltage(V)	220/230/240					
	50/60					
Nominal Output Frequency (Hz) Output THDv (@Linear Load)	50/60 <3%					
Coversion Efficiency	<3%					
Max. Efficiency	00.101					
MPPT Efficiency	93.6% 99.9%					
Protection			77.7	70		
AC Over current Protection	Interested					
	Integrated					
AC Short Circuit Protection AC Overvoltage Protection	Integrated					
Remote Shutdown	Integrated					
Environmental/Ambient Conditions			Integra	iteu		
Operating Temperature Range(°C)	0 ~ 50°C					
Excess Temperature Behaviour	Excess Temperature Behaviour					
Relative Humidity	0 ~95%					
Installation Altitude above sea level	Up to 2000m above sea level					
Cooling Method	Air Cooling					
Mechanical Data	All Cooling					
Protection Level	IP20					
Installation Type	Floor-standing					
Communications			. 1007 010	.9		
Display			LCD, WLA	N + APP		
Monitoring Settings			Integrated da			
Communication with BMS			CAN			
Communication with Portal			WiF			
Other Data			VVII			
Topology			Transforn	nerless		
D-1:1:			Intogra			



# O5K/5K-XPLA Battery Energy Storage System

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#### Main Features

- $\begin{tabular}{ll} \hline $A$-grade REPT cells ensure superior performance and reliability. \end{tabular}$
- ${\hbox{\tiny \hbox{\tiny BMS}}}\quad \hbox{Dual-protection BMS enhances safety against overcharge, discharge, temperature, and current.}$
- Stackable battery packs with wire-free design, up to 8 layers.
- $${\rm Pos}{}_{}$$  IP65–rated battery system for high safety protection.
- (iii) Inverter box with dual AC output, USB charging, waterproof design.
- PCS Off-grid PCS function for home storage and outdoor applications.

Technical Parameters / Model	O5K/5K-XPLA	
Battery Parameters	CONTON AI EA	
Rated Capacity	100Ah	
Type	CB79-100Ah	
Nominal Voltage	3.2V	
Internal Impedance	5.2v ≤0.6 mΩ	
Standard charge	0.5C	
Standard dringe Standard discharge	3.65V	
Standard Charge Cut-off Voltage	2.5V	
Standard Discharge Cut-off Voltage	T52.32±0.5x W148.40±0.6 x H119.0±0.6mm	
Dimension	1.86±0.1kq	
Weight		
Operating Temperature Range	Charge:0°C < T≤55°C Discharge:-20°C≤T≤55°C  1P16S	
Combination method	100Ah	
Rated Capacity	51.2V/100A	
Type		
	5.12kwh	
Nominal voltage  Nominal voltage	51.2V DC 43.2V	
Voltage at end of Discharge	43.2V ≤60mΩ	
Internal Impedance	50A 100A	
Standard charge  Max Charging Current(lcm)		
	58.4V or 3.65V/cell	
Upper limit charging voltage Standard discharge	550A 100A	
	43.2V	
Max continuous Discharging current  Discharge Cut-off voltage(Udo)		
Operation Temperature Range	Charge:0~55°C  Discharge: -20~55°C	
Storage Temperature Range	Discharge: -20~55 C -20°C~60°C	
	-20 C-60 C (W635*D420*H190)±5mm/46.7±3kg	
Battery system Size/Weight  Class of protection	IP65	
Inverter power	5KW	
Electric quantity	5.12KWh	
Grid voltage range	220V/230/240V	
Grid type		
PV Input Data	L+N+PE	
•	400,4004	
MPPT voltage range(V)  Number of MPPT	120-430V 1	
General data	-20~55°C	
Operating Temperature Range (°C)		
Cooling	Smart cooling /	
Installation Style		
Storage Temperature Range	-20°C~50°C	
Battery system Size/Weight	(W635*D420*H477)±5mm/73±3kg	
Class of protection	IP20	



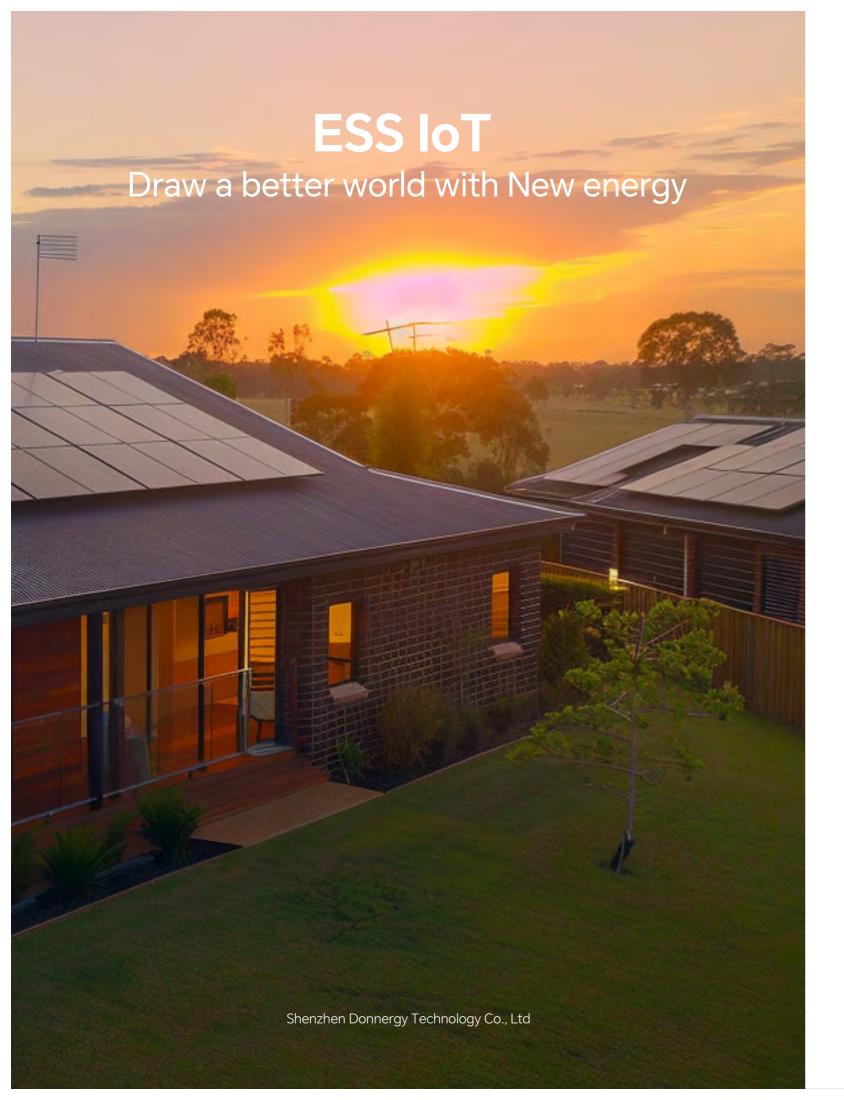
# E30K/50K 60-XCHE Intelligent C&I Energy Storage Integrated Cabinet

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#### Main Features

- $\begin{tabular}{ll} \end{tabular} \begin{tabular}{ll} \end{tabular} \beg$
- $\begin{tabular}{ll} \hline $\tt (BMS)$ & High-performance and high-efficiency BMS, compatible with a variety of communication protocols. \\ \hline \end{tabular}$
- $\begin{tabular}{ll} \hline \end{tabular} \begin{tabular}{ll} \hline \end{t$
- (8) Intelligent temperature control system, effectively extending the service life of the battery.
- PACK targeted fire extinguishing function can be customized.

Technical Parameters / Model	E30K/60-XCHE	E50K/60-XCHE		
Battery Parameters				
Number of battery packs	12			
Rated voltage	614.4V			
Voltage range	537 5~691 2V			
Rated energy	60kWh			
Max. charging and discharging current	100A			
Communication	RS485/CAN			
Cycle life	6000times			
PV parameters	500			
Max.PV input power	39kW	65kW		
Ratedinput voltage	600VDC			
Max.input voltage	1000VDC			
MPPT voltage range	200-850VDC			
PV input current	36+36+36(A)	36+36+36+36(A)		
AC side parameters				
AC rated input/output power	30kVA	50kVA		
AC Max.input/output power	33kVA	55kVA		
AC rated input/output current	45.6A	75.8A		
AC Max.inputoutput power	60A	83.3A		
Voltage	3UN/PE; 230/400V			
Frequency	50V60Hz%			
THDie	≤3%	≤3%		
Power Factor	0.8leading to 0.8 lagging			
System parameters	±3%			
Dimension(W*H*D)	1200*2160*750mm			
Weight	860kg	880kg		
Communication	CAN/RS485AViFi/ETHe			
Warranty	5 years			
Expansion	Support in parallel up to 150kw/180kwh			
Enclosure protection rating	IP55			
Cooling	Air cooling			
Environmenttemperaturee	-30~50°C			
Humidity	10%~95%RH			
Altitude	<2000m			
Certifications	UN38.3/CE/IEC62619/VDE-AR-N 4105/IEC 62109			





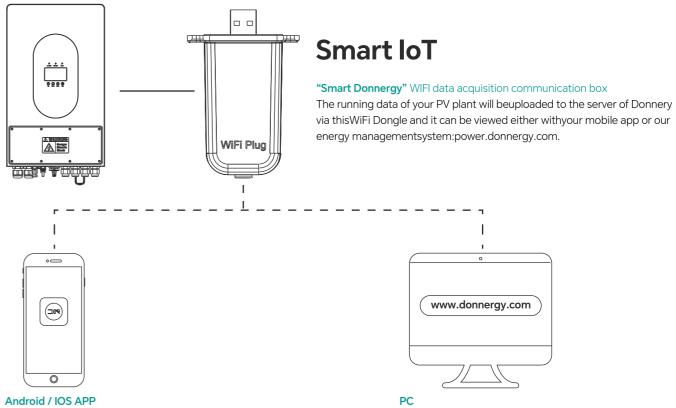
# WiFi Dongle WIFI Data Acquisition Communication Box



#### Main Features

- WPS Support WPS automatic network configuration;
- $\begin{picture}(0,0) \put(0,0){\line(0,0){100}} \put(0,0){\line(0,0){100}$

Technical Parameters		
Inverter communication interface	USB	USB
Wireless standards	802.11 a/b/g/n	802.11 a/b/g/n
Serial port communication rate	115200bps	115200bps
Frequency range	2.412GHz-2.472GHz	2.4G&5GHz
Wireless transmit power	802.11b: +16dBm(@11Mbps)/802.11g: +14dBm(@54Mbps) 802.11n: +13dBm(@HT20, MCS7)	802.11b: +17dBm(@11Mbps)/802.11g: +16dBm(@54Mbps) 802.11n: +15dBm(@HT20, MCS7)
Data acquisition interval	1-10min adjustable (default 5 minutes)	1-10min adjustable (default 5 minutes)
Working mode	AP/STA/AP+STA	AP/STA/AP+STA
Network distribution mode	APP/WEB	APP/WEB
Status display	2 LED	2 LED
Installation method	Plug and play, supporting inverter installation	Plug and play, supporting inverter installation
Electrical performance		
Input voltage	5V	5V
Rated power	3W	3W
power consumption	<1.5W	< 1.5W
Dimensions (L*W*H)	64*52*28 (mm)	64*52*28 (mm)
Weight	30g±2	30g±2
Operating temperature	-40°C- 85°C	-40°C-85°C
Operating humidity	<85%	<85%
Waterproof rating	IP65	IP65

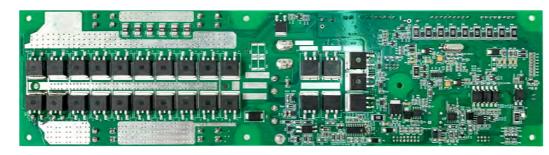


- $\bullet$  Fast and simple, saving cost, time and worry.
- Display single real-time data and power generation data.
- $\bullet$  Real time energy flow diagram and equipment status are clear and easy to see.
- Monitor the power generation status of the power stationat any time and anyw-
- here, and the data is clear at a glance.

  Support remote parameter setting and fault diagnosis.

- $\bullet$  Real time control of equipment maintenance and operation status.
- $\bullet$  Multi level authority management, which can quickly retrieve power stations and
- Visual display of equipment power generation and equipment operation status.
   Support remote parameter setting and fault diagnosis.

# **BMS** BMS battery management system



BMS battery management system is mainly used for communication backup power supply batteries, home storage and other energy storage systems. It is applicable for battery packs consisting of 15–16 series of Li (NiCoMn) O2 or LiFePO4 cells. It can provide overcharge, overdischarge, overcurrent, over-temperature and short-circuit protections to the the battery pack, monitoring the voltage, current and other working state of the battery pack. It is featured with fault alarm log recording function and it supports accurate estimation of the SOC during charging and discharging. Charge equalization is another important feature of our EMS and it supports parallel operation and it can be used to communicate with the dynamic loop monitoring or the upper computer through the RS485/CAN/UART serial port, and use the upper computer software for parameter configuration and data monitoring.

Type of lithium battery	Li (NiCoMn) O2 / LiFePO4	Li (NiCoMn) O2 / LiFePO4
Number of lithium battery strings	15-16 strings	15-16 strings
Battery capacity	100AH	100AH
Electricity meter function	SOC estimation	SOC estimation
Maximum continuous charging and discharging current	100A	100A
Pre-charge function	Support capacitor charging above 20000UF	Support capacitor charging above 20000UF
External communication mode	RS485/CAN/UART	RS485/CAN/UART
Technical Parameters		
Monomer over charge protection	Default parametersWhether it can be set	Whether it can be set
Cell over voltage alarm voltage	3650mV	yes
Single over charge protection voltage	3750mV	yes
Monomer over charge protection delay	15.0S	yes
Motive overv oltage protection clearance	Default parameters	Whether it can be set
Single over charge protection release voltage	3380mV	yes
Discharge release	Discharge current>300mA	1
Monolithic over discharge protection	Default parameters	Whether it can be set
Single over discharge alarm voltage	2600mV	yes
Single over discharge protection voltage	2300mV	yes
Monomer over-discharge protection delay	15.0S	yes
Monomer over-discharge protection delay	Default parameters	Whether it can be set
Single over discharge protection release voltage	2400mV	ves
Charging is released	Charging current > 300mA	/
Overall over charge	Default parameters	Whether it can be set
Overall over charge alarm voltage	58.4V	yes
Overall over charge protection voltage	59.2V	yes
Overall over charge protection delay	1.0S	yes
Overall ove rvoltage protection is removed	Default parameters	Whether it can be set
Overall over charge protection release voltage	54V	yes
Capacity decommissioning	SOC < 96%	/
Discharge release	Discharge current > 300mA	1
Overall over discharge protection	Default parameters	Whether it can be set
Overall over discharge alarm voltage	41.6V	yes
Overall over discharge protection voltage	36.8V	yes
Overall over discharge protection delay	1.0S	yes
Overall over discharge protection is lifted	Default parameters	Whether it can be set
Overall over discharge protection release voltage	38.4V	yes
Discharge when there is a charge	Charging current > 300mA	/
Charging current limit function	Default parameters	Whether it can be set
Charge current limit	10A	/
Charge over current protection	Default parameters	Whether it can be set
Charge over current alarm current	110A	yes
Charge over current protection current	120A	yes
Charge over current protection delay	1.0S	yes
Charging over current protection is removed	Default parameters	Whether it can be set
Automatic discharge release	Automatic dismissal after 30s	/
Discharge	Discharge current > 300mA	/
Discharge over current protection	Default parameters	Whether it can be set
Discharge over current 1 alarm current	110A	yes
Discharge over current1 protects the current	120A	yes
Discharge over current 1 protection delay	1.0S	yes
Discharge over current 1 protection delay	Default parameters	Whether it can be set
Automatic purge	Automatically discharged after 1 minute	/
Charging clears short-circuit protection	Charging current > 300mA	1

Short-circuit protection	Default parameters	Whether it can be set
Short-circuit protection	Integrated	/
Short-circuit protection is removed	Short-circuit protection is automatically released	/
MOS high temperature protection	Default parameters	Whether it can be set
MOS over temperature alarm temperature	90°C	yes
MOS over temperature alarm temperature	115°C	yes
MOS protection release temperature	85°C	yes
Cell temperature protection	Default parameters	Whether it can be set
Charging low temperature alarm temperature	0°C	yes
Charge low temperature protection temperature	-5°C	yes
Charging low temperature protection to release temperature	5°C	yes
Charging high temperature alarm temperature	50°C	yes
Charging high temperature protects the temperature	55°C	yes
Charging high temperature protection release temperature	50°C	yes
Discharge low temperature alarm temperature	-15°C	yes
Discharge low temperature protection temperature	-20°C	yes
Discharge low temperature protection release temperature	-15°C	yes
Discharge high temperature alarm temperature	55°C	yes
Discharge high temperature protection temperature	60°C	yes
Discharge high temperature protection release temperature	55°C	yes
Environmental requirements		
Operating temperature	-20 ~ 60°C	
Storage temperature	-20 ~ 75°C	
Operating humidity	10 ~ 85%RH	
Storage humidity	10 ~ 85%RH	



### WiFi Dongle(Wi-Fitype1.3) Quick installation Guide

The company develops and produces photovoltaic inverter equipment by itself. In order for customers to use the company's products more conveniently, it develops a set of remote energy real-time management system, and also develops an app based on mobile phone operation, which is convenient for customers to view photovoltaic inverters at any time. The core functions of the App are as follows: WIFI configuration: complete the configuration of connecting the PV inverter to WIFI. After the WiFi configuration is successful, the PV inverter connects to the remote energy real-time management system and uploads data:

WIFI / Quick installation Guide

#### 1. APP download

App Store search for "Mini EMS"; Android scan the QR code below to download directly.







Android

#### 2. Register an account and create a venue

① Click the "Register" button on the home page of the APP and fill in the relevant information as prompted to complete the registration.

② Log in to the APP and complete "Add Place" according to the guidance.



#### 4. Network connection parameter Settings

- $\ensuremath{\textcircled{1}}$  Plug the WiFi Dongle into the inverter WIFI/USB port;
- ② Mobile phone WLAN connection 2.4GWiFi;
- ③ Return to the APP to fill in the WIFI password;
- When the WiFi Dongle indicator is blinking blue/green, press it "Start" button; When the indicator is steady blue or green, it indicates The distribution network is complete.











login function: the customer enters the user name and Password, after successful login, enter the power station list display interface; power station list: users can view the equipment running status, total power generation and total revenue under each power station; power station overview: overview of power station information and equipment information, including power generation, Current power, CO2 emission reduction, total power generation and other information; equipment operation flow chart: display the information of machine operation, display the basic information such as the model and version number of the machine, and select different machine operating status display through different serial numbers; Power Plant Daily Record: Users can view the latest error/warning information. You can view the time when the event occurred in the power station, the device serial number, event name and other information; remote settings: divided into basic settings, working mode settings, reset wifi, restart the machine, activate the battery function, the user can according to their own needs The selected machine Online remote operation.

#### 3. Add device

Complete Add Device as instructed.

Note: Add the serial number of WiFi Dongle and scan is supported Qr code or manual input,



#### 5. WiFi Dongle digital sampler LED status indicator

Blue	Green	Implication
Not bright	Not bright	No USB was recognized
Slow flash	Not bright	USB is recognized
Slow flash	Not bright	Configuration phase
Slow flash	Steady on	Networking success
Slow flash	Slow flash	Allow APP network distribution
Steady on	Steady on	Successfully connecting to the server

#### 6. The collector module fails to connect to the network?

- ① Move the wireless router closer to the inverter.
- 2 Plug and remove the collector. When the green light blinks, press the button at the bottom of the collector for 0.5S, and then set it in APP WIFI Click Start.
- $\ensuremath{\mathfrak{J}}$  The collector module can connect to a 2.4GHz frequency network only.
- The wireless name of the router should be composed of English and numbers and does not support Chinese names and special characters.
- ⑤ The router is prohibited from using dual-band integration.
- ⑥ If the WPS direct connection function is used, check whether the router supports the WPS function.
- ① When using the APP network, the network must be configured when the two indicators are blinking slowly.
- ® Hold down the reset button for more than 10 seconds, reset the collector module, power on the collector, and configure the network.
- 6.1. Can't the network currently connected to the mobile phone be retrieved when configuring the network for the collector module with the APP?
- ① Exit the APP first, and then re-enter the WIFI setting interface.
- $\ensuremath{{\mathbb Q}}$  Check whether the network the phone is currently connected to is 2.4Ghz frequency.
- 6.2. After the configuration is completed, the blue light and green light are steady on, but the status on the monitoring website is still displayed as offline?
- ① Wait more than 1 minute and then exit the APP to check whether the data is updated.
- ② Check whether the serial number of the registered collector is consistent with that of the current collector module.



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