






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



Main Features

-  UPS ≤ 10ms 100% unbalanced three phase input Intelligent phase power control Smart reverse battery protection.
-  150% DC input oversizing 2 MPPTs Max. efficiency 98.2%
-  Quick access to VPP platform Smart load management through dry contact Stackable design, easy to expand capacity

Parametri Tecnici / 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 voltag	1000V					
Start voltagee	120V					
Nominal voltage	600V					
MPP work voltage range	120V-1000V					
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,230V/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	100-550V					
Max.charging/discharging current	25A/25A					
Continuous charging/discharging power	4000W	5000W	6000W	7000W	8000W	41000W
Type of battery	lithium ion battery					
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,230V/400V					
AC grid frequency/range	50/60,±5Hz					
Max. output current	6.1A	7.6A	9.1A	10.6A	12.1A	15.2A
Displacement power factor, configurable	0.8leading...0.8lagging					
THDI	<3%					
AC connection	3W+N+PE					
General data						
Dimensions(W/H/D)in mm	545*480*190					
Weight	31KG					
Operating temperature range	-25° C ~+60° C (-13~+140 °F) with derating above 45° C-113 °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						
DC connection	MC4/H4(opt)					
AC connection	Connector					
BAT connection	Connector					
Display	LED&AP					
Interfaces:RS485/USB /CAN/Wi-Fi/GPRS	yes /yes /yes/opt/opt					
Warranty: 5 years/10 years	yes/opt					
Safety	IEC 62109-1,IEC 62109-2					
EMC	EN IEC 61000-6-1,EN IEC 61000-6-3					
Certification	G99/G100,VDE-AR-N 4105/VDE V 0214,EN 50549-1,VDE 0126/UTE C 15/VFR:2019,RD 1699/RD 244/UNE 206006/UNE 206007-1,CEI 0-21.C10/11.NRS 097-2-1 IEC 61727,IEC 60068,IEC 61683,EN 50530					