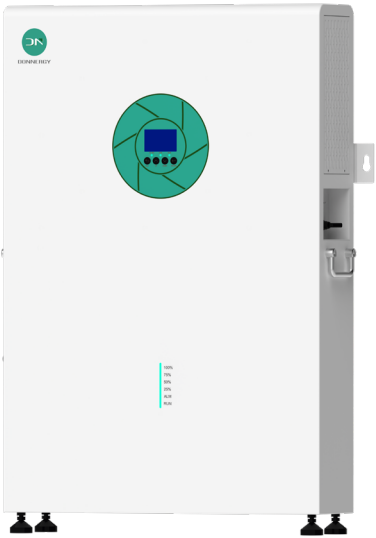


PV Storage System Specifications



DOA01-5K_XFM5K-US



- Pure sine wave inverter.
- Configurable battery charging current based on applications via LCD setting.
- Configurable AC/Solar Charger priority via LCD setting.
- Compatible to mains voltage or generator power.
- Auto restart while AC is recovering.
- Overload/Over temperature/ short circuit protection.
- Smart battery charger design for optimized battery performance.

Model

DOA01-5K_XFM5K-US

Inverter

Nominal input Voltage	110/120Vac
Input Voltage Range	(90Vac~140Vac)±2%
Nominal input Frequency	50Hz/60Hz(Auto detection)
Low Loss Frequency	40±1Hz
Low Loss Return Frequency	42±1Hz
High Loss Frequency	65±1Hz
High Loss Return Frequency	63±1Hz
Low Loss Voltage	90Vac±7V(Appliances)
Low Loss Return Voltage	95Vac±7V(Appliances)
High Loss Voltage	140Vac±7V
High Loss Return Voltage	135Vac±7V
Max AC Input Voltage	150Vac
Output Short Circuit Protection	Circuit Breaker
Max. Efficiency (Line Mode)	92%
Maximum bypass overload current	63A

Output Voltage Waveform	Pure sine Wave
Rated Output Power(W)	5000W
PF	1
Output Voltage(Vac)	120Vac±5%

Frequency(Hz)	50Hz/60Hz
Peak Efficiency	92%
Overload Protection	0.2S@200%;5s@130% load;10s@105%~130% load;
Apparent power(VA)	5000VA
Peak Power	10000VA
Motor load capacity	4HP
Output Short Circuit Protection	YES
Bypass breaker current	63A
Rated battery voltage	48V
Battery voltage range	40.0Vdc~60Vdc±0.6Vdc
Save power mode	load≤50w
Max.Output current(A)	41.7A
THDI	< 3%

Battery

Battery type	Lithium
Max. charging current	40A
Charging current error range	±5Adc
Charging Voltage range	40-58.4Vdc
Short Circuit Protection	BMS/Breaker/fuse

MPPT Solar Charging

Maximum PV Array Open CircuitVoltage	500Vdc
MPPT Voltage Range	120-450Vdc
Battery voltage range	40-60Vdc
Max. PV Array Power	5500W
Max. PV input current	22A
PV charging current range	100A
Charging Short Circuit protection	fuse

Max, Combined charging current (PV+AC)

Max. Combined charging current	100A
Charging voltage	58.4Vdc

General Specifications

Operating Temperature Range	0-55℃
Storage temperature	-20-50℃
Humidity	5%-95% Relative Humidity(Non-condensing)
Noise	≤60dB
Thermal Methods	Fan cooling
Communication	USB/CAN/RS232/WiFi
Dimension(L*W*H)	676*173*937mm
Weight(kg)	64.5KG