

AI Powerwall

UNINTERRUPTED POWER FOR YOUR HOME



AI POWERWALL

Deminsion (WHD)A	650x1750x300 mm.
WeightA	210 kg.
ProtectionA	IP54
Warranty	7 years for AI Powerwall 10 years service fee
Communication	RS232/RS485

INVERTER

PV INPUT

Maximum PV Power	4500W
Operating Voltage Range	60-115VDC
Maximum PV Open Circuit Voltage	145VDC
Maximum MPPT Charge	80A
Maximum Efficiency	98%

AC INPUT / OUTPUT

Charge Current	60A
AC Input Voltage	230VAC, 50Hz/60HzA
AC Output Voltage	230VAC, 50Hz/60Hz, Maximum 5 kW

GENERAL DATA

Battery Voltage	51.2VDC
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C-55°C

PROTECTION

Protection	AC over/under voltage, over/under frequency, battery over/under voltage,overload, overcharge, short circuit, over temperature, AC breaker, battery fuse
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STANDARD COMPLIANCE

Safety	EN62109-1, EN62109-2
EMC	EN55032, EN55035

BATTERY

Nominal Voltage	51.2VDC
Normal Capacity	10.24kWh
Type	LiFePO4
Cycle Life	>6,000 @ 90% DOD
Charge/Discharge Current	<50A (Recommended) / 100A Max
Operating Temperature	0°C~50°C
Protection	over voltage, under voltage, over temperature, under temperature, over current, short circuit, low capacity, reverse polarity, Low voltage cut off and reconnect
Standard Compliance	CE, IEC62619, UN38.3