Technical Data

Model	WSH-3kW51.2V100Ah	WSH-3kW51.2V200Ah	WSH-3kW51.2V300Ah
Solar Charge Data			
Max. PV Array Power	5000W		
MAX DC Voltage	500VDC		
MPPT Voltage Range	60~500V		
MPPT Tracker / Strings	1		
Max. Solar Charge Current	120A		
Max. AC Charge Current	100A		
Max. Charge Current	120A		
Inverter & Controller Data			
Rated Power	3000VA/3000W		
Efficiency (Peak)	Up to 93.5%		
Grid Voltage / Range	230 VAC ± 5%		
Frequency	50Hz / 60Hz		
Waveform	Pure Sine Wave		
Transfer Time	10ms (For Personal Computers) ; 20ms (For Home Appliances);		
Surge Power	10000VA		
Cooling	Natural		
Protection			
Arc Fault Protection	Yes (Optional)		
Anti-reverse Protection	Yes		
Anti-island Protection	Yes		
DC Over Current Protection	Yes		
Insulation Monitoring	Yes		
Residual Current Monitoring	Yes		
Other Protection	AC Over current; AC Over voltage; Over temperature Protection		
Battery Data			
SOC Estimation	Yes		
Intelligent Balance	Yes		
GPS Positioning	Yes		
Sleep and Wake-up	Yes		
Nominal Voltage	51.2V		
Rated Capacity	100Ah	200Ah	300Ah
MAX Charging/Discharging Current	100A	200A	300A
Dimensions (W*D*H)	235x480x461.2mm	235x460x922.4 mm	275x480x1383.6 mm
Battery Cycle Life	≥3000 Times @ 80%DOD & 0.5C, 25℃		
System Data			
Nominal Output Power	3500W		
Rated Capacity	5.12kWh	10.24kWh	15.36kWh
Cell Type	LiFePO4		
IP Protection	IP21		
Warranty	2Years		
General Data			
Interface	RS232/RS485/Dry contact		
Display	Touch Key + LCD		
With PayGo	Optional		
Relative Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	Charging: 0℃~50℃ / Discharging: -15℃~60℃		
Altitude	>2000m Derating		
Battery Safety Standard	EN/IEC 62109-1 ; EN/IEC 62109-2		
System Safety Standard	CE, UN38.3, MSDS		