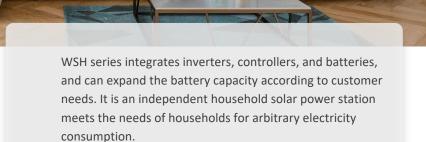
Wall All-in-one Energy Storage System

WSH-8 ~ 10KW51.2V200AH/300AH









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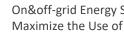
5

UPS Function: Transfer Time <20ms



- Multiple Working Mode: Photovoltaic/ Battery/AC Priority

 - Configurable Proportion of Photovoltaic, Mains, and Battery Input



- On&off-grid Energy Storage System Can Maximize the Use of Photovoltaics
- 6,000 Cycle Times, 10 Years Lifespan



Technical Data

Model	WSH- 8KW51.2V200AH	WSH- 8KW51.2V300AH	WSH- 10KW51.2V200AH	WSH- 10KW51.2V300AH
Solar Charge Data				
Max. PV Array Power	800	W00	10000W	
MAX DC Voltage	450VDC			
MPPT Voltage Range	90~450VDC			
MPPT Tracker / Strings	2			
Max. Solar Charge Current	120A		150A	
Max. AC Charge Current	60	A	60A	
Max. Charge Current	12	0A	150A	
Inverter & Controller Data				
Rated Power	800	W0	10000W	
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	16000VA 20000VA			
Cooling	Natural			
Dimensions (W*D*H)	880x420x225mm			
isolation Transformer weight	22.3kg			
Protection				
Arc Fault Protection	Yes (Optional)			
Anti-reverse Protection	Yes			
Anti-island Protection	Yes			
DC Over current				
Pratection	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 Rated Capacity	51.2V 200Ah 300Ah 200Ah 300Ah			20046
MAX	200A11	SUDAN	200411	SUDAIT
Charging/Discharging Current	200A	300A	200A	300A
Dimensions (W*D*H)	235x460x922.4 mm	275x480x1383.6 mm	235x460x922.4 mm	275x480x1383.6 mm
Battery Cycle Life	≥6000 Time & DoD>80%			
System Data				
Nominal Output Power	800	W00	10	KW
Rated Capacity	10.24kWh	15.36kWh	10.24kWh	15.36kWh
Cell Type	LiFePO4			
IP Protection	IP20			
Warranty	5 Years			
General Data				
Interface	RS232/RS485/Dry contact			
Display	Touch Key + LCD			
Relative Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature Altitude	Charging: 0°C~50°C / Discharging: -15°C~60°C >2000m Derating			
Battery Safety Standard	EN/IEC 62109-1 ; EN/IEC 62109-2			
Inverter Safety Standard	CEI 0-21			