



Joy Sunny Day With JSD

7.2kW Split-Phase Hybrid Solar Inverter

(120/240V | 51.2V Battery)



www.jsdsolar.com

Technical Data

Model	J7200KS-US
Parallel Mode	
Parallel Capability	NO
Utility Mode	
Rated Input Voltage	120(L1/N, L2/N)/240Vac(L1/L2)
Input Voltage Range	(85Vac~140Vac)±2%
Frequency	50Hz/60Hz (Auto detection)
Frequency Range	47±0.3Hz~55±0.3Hz (50Hz); 57±0.3Hz~65±0.3Hz (60Hz);
Overload/Short Circuit Protection:	Circuit Breaker
Maximum Efficiency	>95%
Transfer Time (Bypass <-> Inverter)	10ms (Typical)
Anti-Reverse Power Protection	Yes
Max Bypass Overload Current	2pole, 40A/40A(L1/L2)
Inverter Mode	
Output Voltage Waveform	Pure Sine Wave
Rated Output Power (VA)	7200 Split Phase
	6000 Single Phase
Rated Output Power(W)	7200 Split Phase
	6000 Single Phase
Power Factor	1
Rated Output Voltage (Vac)	120Vac (L1/N, L2/N)/240Vac(L1/L2)
Output Voltage Deviation	±5%
Output Frequency Range (Hz)	50Hz±0.3Hz/60Hz±0.3Hz
Maximum Efficiency	>91%
Overload Protection	(105% load <110%) ±5%: Alarm, shutdown after 5 minutes; (110% load < 125%) ± 5%: Alarm, shutdown after 10 seconds; (Load >125%)±5%: Alarm, shutdown after 5 seconds;
Surge Power	Split Phase: 10800VA
	Single Phase: 10800VA
Motor Load Capability	4HP
Output Short Circuit Protection	Shutdown after 1 second of continuous short circuit
Bypass Circuit Breaker	40A/40A(L1/L2)
Rated Battery Input Voltage	51.2V (Min. Start Voltage 44V)
Battery Voltage Range	40.0Vdc~58.6Vdc±0.6Vdc (Low Voltage Alarm / Shutdown / Over voltage Alarm / Recovery Voltage all configurable via screen)

Power Saving Mode	Enters Power Saving Mode when per-phase load is 0 or <25W
Utility Charging	
Supported Battery Types	Lead-acid or Lithium
Max Charging Current (Configurable)	120A
Charging Current Accuracy	±5Adc
Charging Voltage Range	40 –58.6Vdc
Short Circuit Protection	Circuit breakers and blown fuses
Circuit breaker specifications	2pole, 40A/40A(L1/L2)
PV Charging	
Number of MPPT	2
Max PV Open Circuit Voltage	500Vdc
PV operating voltage range	90Vdc~485Vdc
MPPT voltage range	90Vdc~450Vdc
Charging Voltage Range	40-58.6Vdc
Max PV Input Power	4500W+4500W
Max PV Input Current	16A+16A
PV Charging Current Range (Configurable)	150A
Charging Short Circuit Protection	Blown fuse
Wiring Protection	Reverse Polarity Protection
Max Hybrid Charging Current (AC+PV)	
Max Hybrid Charging Current (AC+PV): Configurable	0-150A
Certification & Environmental	
Product Certification	UL1741
EMC certification level	FCC part15, CLASS B
Operating Temperature	-10°C to 55°C(Derating >45°C)
Storage Temperature	-25°C ~ 60°C
Humidity Range	5% to 95%Conformal Coating
Noise Level	≤60dB
Cooling	Forced Air Cooling, Adjustable Fan Speed
Communication Interface	USB / RS485 (/WiFi / GPRS) / Dry Contact Control
Dimensions (L × W × H)	580mm*359mm*127mm
Weight (kg)	19KG

