UFO POWER

JKS-R-7P12-US

RESIDENTIAL ENERGY STORAGE INVERTER

MODEL:

JKS-R-7P12-US

FEATURES:

- Peak efficiency at 98.5% (CEC efficiency 97.2%)
- Dynamic MPPTs (4 MPPTs w/ 4 DC inputs)
- 4 operating modes: self-consumption, feed in priority, backup, time-of-use
- High DC to AC ratio of 1.6
- Rule 21 Complaint
- Integrated MLRSD transmitter included
- Sealed enclosure with built-in AC/DC wiring box and ATS
- 24-hour intelligent energy management system

ORDERING: JKS-R-7P12-US

RSS (Tigo MLRSD Transmitter)

665 mm

556 mm

Datasheet

Model Name	JKS-R-7P12-US
Input DC (PV Side)	
Recommended Max. PV Power	7.6 kW
Max. Input Voltage	600 V
Rated Voltage	380 V
Start-Up Voltage	80 V
MPPT Voltage Range	80-520 V
Max. Input Current	16 A
Max. Short Circuit Current	25.6 A
MPPT Number/Max. Input Strings Number	4/1
Battery	
Battery Type	Li-ion
Battery Voltage Range	120-500 V
Max. Charge/Discharge Current	50 A
Protection Function	
Rated Output Power	7.6 kW
Max Apparent Output Power	7.6 kW
Rated Output Voltage	240 V / 120 V
Rated Frequency	60 Hz
Rated Output Current	31.7 A
Max. Output Current	31.7 A
Input AC (Grid Side)	
Max. Input Current	47.6 A
Output AC (Back-Up and Off-Grid)	
Rated Output Power	7.6 kW
Max. Apparent Output Power	12.2 kVA, 10 s
Back-Up Switch Time	<10 ms
Rated Output Voltage (L1-L2)/(L1/L2-N)	240 V / 120 V
Rated Frequency	60 Hz
Rated Output Current at 240 VAC	31.7 A
THDv (Linear Load)	<3%
Efficiency	
Max. Efficiency	97.6%
CEC Efficiency	97.2%
Protection	
Integrated	Ground Fault Detection, Residual (Leakage) Current Detection, Integrated AFCI (DC Arc-Fault Circuit Protection), DC Reverse-Polarity Protection (PV only)
Protection Class/Over Voltage Category	I/II
General data	
Power Factor	0.99 (0.8 leading - 0.8 lagging)
Dimensions (W*H*D)	26.2*21.9*9.4 in(665*556*238mm)
Weight	66.1 lbs (30 kg)
Operating Temperature Range	-31°F to 140°F (-25°C to 60°C)
Ingress Protection	NEMA 4X (IP66)
Cooling Concept	Natural Convection
Interface	LED indicator lights, Bluetooth/Phone app
Communication	RS485, Optional: Cellular, Wi-Fi, LAN