



Liber 6kP Solar Off-grid Split-phase Inverter

Technology

ECO-INV-48V6000WES01	
Inverter Output	
Rated Output Power	6,000W
Maximum Peak Power	12,000W
Rated Output Voltage	120/240V(Single-phase/Split-phase)
Motor Loading Capacity	4.8HP
Rated Frequency	50/60Hz
Output Waveform	pure sine wave
Switching Time	10ms (typical value)
Battery	
Battery Type	Lithium-ion battery / Lead-acid battery / User - defined
Rated Battery Voltage	48V
Voltage Range	40~60V
Maximum Photovoltaic Charging Current	120A
Maximum Mains/Generator Charging Current	100A
Maximum Hybrid Charging Current	120A
Photovoltaic Input	
Number of MPPT Routes	1
Maximum Input Power	9000W
Maximum Input Current	27A
Maximum Open - circuit Voltage	500V
MPPT Operating Voltage Range	125 - 425V
Mains Power/Generator Input	
Input Voltage Range	a.c.90V~140V
Rated Frequency	60Hz,60Hz
Current(maximum continuous)	a.c.45A
Efficiency	
MPPT Efficiency	99.9%
Maximum Efficiency of Battery Inversion	93%
General	
Dimensions(W*H*D)	412*662*130mm (Without Bracket)
Weight	18.7 (Net weight)
Ingress protection	Type 1, For indoor use only
Operating ambient temperature	-10~55°C,>45°C Derating
Noise Level @ 1m	≤45dB @ 25°C (77°F)
Type of Cooling	Intelligent Air Cooling
Warranty	1 Year
Communication	
Communication method	RS485/CAN//WiFi/Bluetooth/4G (Optional)
Certification	
Overview	UL 1741, CSA-C22.2 No.107.1-16, FCC SDOC Part 15B

FEATURES:

- High Power**
 6,000W rated continuous output power, scalable up to 36kW with 6 units in parallel.
- Impressive Solar Mppt**
 9KW Solar Input Capacity,500VDC Solar Input Voltage,120A Solar Charge Current.
- 120V/240V Split Phase**
 Two separate 120V circuits, for both 120Vac/240Vac appliances,compatibility with your electrical infrastructure.
- Closed Loop Available**
 Real-time, two-way exchange of critical battery data (such as SOC, voltage, current, tempe.),compatible with eco-worthy batteries and other batteries using the PylonTech communication protocol.
- All-IN-ONE**
 Included inverter, AC-DC charger,MPPT Solar charge,Wi-fi and Bluetooth module in one unit.

