

Output

BSM-3000 USLV-48

Hybrid Solar Inverter



US Standard
3KW 110V/120Vac

»»» FEATURES:



High PV Input Voltage
Range 500vdc



Parallel Function Max
Up to 12 Units



Inverter Running
Without Battery

MPPT

Built-in Mppt Solar
Controller

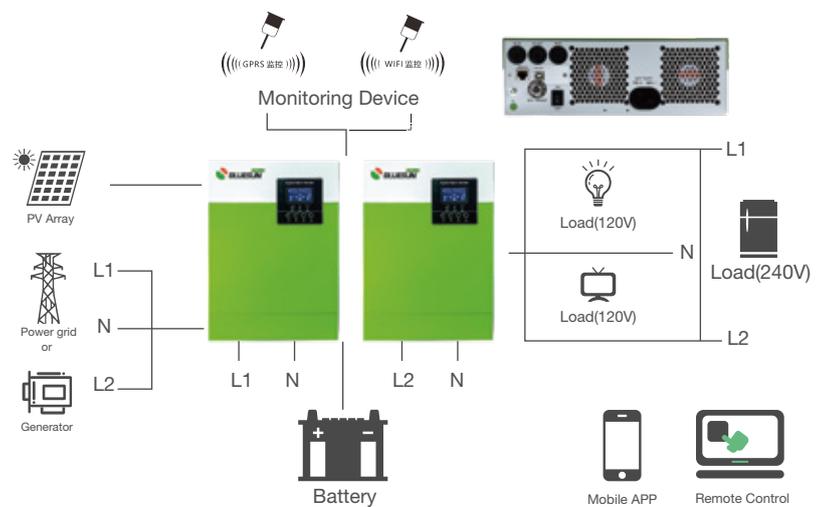


Built-in Anti-dusk Kit for
Harsh Environment



Wi-Fi/GPRS Remote
Monitoring

»»» APPLICATION DIAGRAM:



MODEL **BSM-3000USLV-48**

CAPACITY	3KVA/3KW
Parallel Capability	YES,12units
Split phase operation	YES, need at least 2 units parallel

Input

Nominal Voltage	110/120VAC
Acceptable Voltage Range	95-140VAC(For personal Computer);65-140VAC(For Home Appliances)
Frequency	50/60Hz(Auto sensing)

Output

Nominal voltage	110/120VAC±5%
Surge Power	6000VA
Frequency	50/60Hz
Waveform	Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency (PV to INV)	97%
Peak Efficiency (Battery to INV)	93%
Overload Protection	5s@>=150% load; 10s@110%~150% load
Crest Factor	3:1
Admissible Power Factor	0.6~1(inductive or capacitive)

Battery

Battery Voltage	48VDC
Floating Charge Voltage	54VDC
OverCharge Protection	63VDC
Chargeing Method	CC/CV

Solar Charger&c Charger

Solar Charge TYPE	MPPT
Max. PV Array Power	5000W
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voitage Range	120VDC~450VDC
Max. Solar Input Current	18A
Max. Solar Charge Current	80A
Max. AC Charge Current	60A
Max. Charge Current	80A

Physical

Dimensions, D x W x D (mm)	435x295x105
Package Dimensions, D x W x D (mm)	560x380x190
Net Weight (Kg)	10
Communication Interface	Rs485/ RS232/Dry-contact

Enyironment

Operating Temperature Range	-10 C to 50 C
Storarge temperature	-15 C to 60 C
Humidity	5% to 95% Relative Humidity (Non-condensing)

Product specifications are subject to change without further notice