

# OFF GRID INVERTER

HIP3000W PV60V-500V



Parallel 12 units



100A MPPT



No Battery Mode



RS232 / RS485



PF=1.0



Pure sine wave



## Product Features

- Pure sine wave
- Power factor 1.0
- PV input 500Vdc Max
- Built-in MPPT 100A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WiFi remote monitoring optional
- Compatible work with lifepo4 battery
- Support multiple output priority: UTL, SOL, SBU, SUB
- Parallel operation up to 12 units in 1phase or 3phase
- EQ function to optimize battery performance and extend lifecycle

# Technical Data

<b>MODEL</b>		HIP3000-48PL
Capacity		3000W
Parallel Capability		YES, 12 Units
<b>INPUT</b>		
Nominal Voltage		120VAC
Acceptable Voltage Range		95-140VAC (For Computers) / 65-140VAC (For Home Appliances)
Frequency		50/60 Hz(Auto sensing)
<b>OUTPUT</b>		
Nominal Voltage		120VAC $\pm$ 5%
Surge Power		6000VA
Frequency		50 / 60 Hz
Waveform		Pure Sine wave
Transfer Time		10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency(PV to INV)		96%
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)
<b>BATTERY</b>		
Battery Voltage		48VDC
Floating Charge Voltage		54VDC
OverCharge Protection		63VDC
Charging Method		CC / CV
<b>Solar Charger &amp; AC Charger</b>		
Solar Charger Type		MPPT
Max.PV Array Power		5000W
Max.PV Array Open Circuit Voltage		500VDC
PV Array MPPT Voltage Range		60VDC~450VDC
Max.Solar Input Current		18A
Max.Solar Charge Current		100A
Max.AC Charge Current		60A
Max.Charge Current		100A
<b>PHYSICAL</b>		
Dimensions,D x W x H(mm)		448x295x120
Package Dimensions,D x W x H(mm)		560x375x190
Net Weight(Kg)		10
Communication Interface		USB / RS232 / Dry-contact
<b>ENVIRONMENT</b>		
Operating Temperature Range		(-10°C to 50°C)
Storage Temperature		(-15°C ~ 50°C)
Humidity		5% to 95% Relative Humidity ( Non-condensing )

Product specifications are subject to change without further notice.