



## Model AIO 12K/48V



### ON & OFF GRID SOLAR INVERTER



**High Efficiency**



**Battery Compatibility**



**Grid & Off-Grid Operation**



**Protection Features**



**Remote Monitoring**



**Durable Enclosure**

#### Solar Input & Battery Info

Input Voltage Range	110-450VDC
Max Voltage	450VDC
Max Power	12000W
Max Charge Current	100A
Type	Pb/Li
Rated Voltage	48VDC
Cell Voltage Range	46.4-58.8V(Li),38.4-60V(Pb)
Max Charge Current	130A
Float Voltage	53.5V (Pb), User-Defined for Li
Avg Voltage	56.5V (Pb), User-Defined for L

#### Solar Input & Battery Info

Rated Voltage	230Vac
Voltage Range	UPS 170-270Vac
	APL 90-280Vac
Max Input Voltage	280Vac
Input Frequency	50Hz/60Hz
Freq Range	40-65Hz
Conversion Time	UPS 10ms
	APL 20ms
Max AC Charge Current	60A

#### Protection & Basic Specs

Overvoltage, Overload, Short Circuit, Over Temp	Present
Size (H/W/D)	350/300/100mm
Weight	7.8kg
Noise	≤48dB
Use Temp	-20°C to +55°C
Storage Temp	-15°C to +60°C
Humidity	0~90% (No Condensation)
Altitude	≤6000m

#### Inverter Output Specs

Output Capacity:	12KW
Output Voltage:	230/208/240Vac
Voltage Accuracy:	±5%
Output Frequency:	50/60Hz
Freq Accuracy:	±2%
THD:	≤3% (Linear Load)
Power Factor:	1.0
Max Efficiency:	95.5%

