

Hybrid Operation with Multiple Modes



Supports grid-tied, off-grid, and hybrid modes

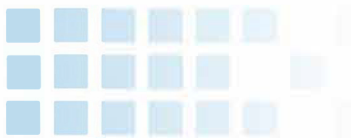


Provides seamless integration for different power needs



Ensures continuous and reliable power in all configurations





Model Eco 6K/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	6000W
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

AC 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 +50°C
Storage Temp	-30°C to +60°C
Humidity	0~90% (No Condensation)
Altitude	≤6000m

Inverter Output Specs

Output Capacity:	6KW
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%

