

- **Intelligent Hybrid & Off Grid Modes**
- **Battery less or Battery Mode**
- **Advanced Hybrid MPPT**
- **5000W Solar Support**
- **99.5% MPPT Efficiency**



Category	Specifications
Inverter Type	Hybrid (Batteryless & Battery Compatible)
Rated Power	3500W (3.5kW)
Solar PV Input	Up to 5000W
Battery Support	24V Lithium / Lead-Acid (Optional)
Batteryless Mode	Yes (Operates without a battery)
MPPT Technology	Advanced Hybrid MPPT (Up to 40% Power Gain)
MPPT Voltage Range	120V – 450V
Max PV Voltage (VOC)	450V
MPPT Efficiency	99.50%
Power Factor (PF)	1
Output Voltage	220V – 240V AC
Output Frequency	50Hz / 60Hz (Auto Adjustable)
Waveform	Pure Sine Wave
Load Output	Single Output
Grid Export	Yes
Conversion Efficiency	> 98%
Overload Protection	Yes
Short Circuit Protection	Yes
Cooling System	Intelligent Fan Cooling
Operating Temperature	-10°C to 50°C
IP Rating	IP21 (Indoor Use)
Monitoring & Communication	LCD Display, RS232 / RS485, Optional WiFi
Surge Protection	Yes
Reverse Polarity Protection	Yes