

Solar Inverters Off Grid-20kW Sunipod OFG-20kW

Solar Inverters specifically designed for off-grid operations.



HIGHLIGHTS

Electrical Environment Friendly

- Galvanic isolation of DC input and AC output using output transformer specifically for off-grid installations.
- Intelligent MPPT Tracking and charging.
- Supports charging the batteries from grid in addition to solar charging.

Industry-Leading Reliability

- Endurance tested to 20 year operating life.
- Lowest part counts and fewest interconnects eliminate common failure points.
- Field-proven technology.

Integrated AC and DC PV System Disconnect

- As per UL 98 Standard for use with input strings.
- NEC Compliant internal wire raceway enables side-by-side mounting.
- Direct-to-wall surface enclosure design allows for easy access and installation.

State-of-the-art display

- Complete view of inverter operation.

Easy Installation

- Factory integrated inverter and PV System Disconnect eliminates the need for extra equipment.
- Integrated disconnect reduces conduit connection points saving installation time and material cost.
- Field-configurable positive/negative ground applications.
- Optimally placed knockouts for a variety of conduit routing options.

Installer-Focused Support

- No special purchase requirements to get the best technical support in the industry.
- Technical phone support.
- Economical performance monitoring options.

SPECIFICATIONS

	OFG-20kW
Electrical Specifications	
Continuous Output Power (W)	20000W
Weighted CEC Efficiency	92
Maximum DC Input Voltage (V)	600VDC
DC Maximum Input Current (A)	100.0 A
AC Rated Output Current (A)	88.0 A
AC Nominal Output Voltage (V)	230V
AC Nominal Output Frequency (Hz)	50Hz
Output Waveform Shape	Sinewave
Output Harmonic Distortion (%)	Less than 3%
AC Output Voltage Range (V)	±3%
AC Output Frequency Range (Hz)	±1%
Output Power Factor	0.8 to 1.0
MPPT based Solar Charger	Yes
Mains Charger	Yes
Battery Nominal Voltage(V)	240V
Changeover	Automatic
Mechanical Specifications	
Temperature	-10 °C to 60 °C
Humidity	0 to 98%
Cooling	Free convection
Communication	GSM Wireless GPRS/3G
Weight with Disconnects	180 Kgs
Inverter with Disconnects	
Dimensions (L X W X D)	60inch X 36inch X 36inch
Standards/Safety Specifications	
Protection Degree	IP65
System Disconnect	Inverter with Factory-Integrated AC and DC PV System Disconnect
Enclosure	NEMA 3R Steel Enclosure, Wall Mounted with Bracket Included
Overload Behavior	Current Limitation, Power Limitation

- In situations where solar off-grid inverters are required to operate for dusk to dawn, Sunipod Off-Grid Inverters can be customized to provide such output.
- Three Phase Solar Inverters can be provided on request.

APPLICATIONS:

- Diesel Generator Alternative Using Solar Power Plants
- Lower Your Electric Bill Using Solar Power Stations

Specifications included in this datasheet are subject to change without notice. Electric data without guarantee.

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