



Connection Zindagi Ka

SOLAR

SOLAR OFF-GRID INVERTER WITH MPPT BASED CHARGE CONTROLLER



LEADING FEATURES

- Micro controller based MPPT controller: High efficiency
- Range:- 1 KVA to 7.5 KVA Voltage 24 V / 48 V / 72 V / 96 V / 120 V
- Pure sine Wave Power: Protects appliances & equipments
- Model with LCD Display
- Low maintenance cost
- Constant Voltage/ Constant current puls charging with wide input range
- Silent operation of fans, tube light or appliances
- High inverter efficiency :>88%
- Auto change over from mains to inverter mode
- Auto restart feature for over load and low battery
- Very low no load current for prolonged battery operation under standby
- Auto bypass system - it bypasses inverter in case of inverter failure

Protections:

- Battery Deep Discharge
- Battery Over Charge
- Battery Reverse (Optional)
- Mains Input Under Voltage
- Main Inputs Over Voltage
- Output Short Circuit
- Overload

Solar Off-grid Inverter

With MPPT Based Charge Controller

TECHNICAL SPECIFICATIONS					
Model	1 KVA	2 KVA	3 KVA	5 KVA	7.5 KVA
Input Voltage (UPS)	180-260 V				
Input Voltage (INV)	130-280 V				
Output Voltage On Mains Mode	Same As Input				
Output Voltage On Inverter Mode	220 V \pm 5%				
Output Frequency On Inverter Mode	50Hz \pm 0.1Hz				
Input Voltage DC (Battery)	24 V	24 V	48 V	72 V	96 V
Battery Charging Current (Mains)	8-15 Amp				
Battery Full Charge Cutoff	28.5 V DC	28.5 V DC	56.8 V DC	85.2 V DC	113.6 V DC
Battery Low Cutoff	21 V DC	21 V DC	42 V DC	63 V DC	84 V DC
Grid Connect	22.4 V DC	22.4 V DC	45 V DC	67.2 V DC	90 V DC
Grid Disconnect	28.5 V DC	28.5 V DC	56.8 V DC	85.2 V DC	113.6 V DC
Inverter Overload (Inverter Mode)	120% for 20 sec & 150% for 3 sec				
Output Short Circuit (Mains Mode)	300 % Of Load Current				
No Load Current	750 mA to 1 A				
PV Panel Input Voltage (Voc)	36/44 V DC	36/44 V DC	88 V DC	132 V DC	176 V DC
Solar Charging Current Limit	10 to 40 A				
MPPT Voltage Range	28-44 V DC	28-44 V DC	56-88 V DC	84-132 V DC	120-176 V DC
Inverter Efficiency	>88 %				
Solar Charger Efficiency (MPPT)	99%				
Switching from mains to UPS and from UPS to mains	Automatic				
Switching from mains to inverter and from inverter to mains	Automatic				
Output Waveform on mains mode	Same as Input				
Output Waveform on Inverter mode	Pure Sinewave				
Power Source Priority	1. Solar, Battery 50%, Grid 2. Solar, Grid, Battery				
Technology	Micro-controller Based (MPPT) Charging				
Auto Restart features	Yes				
Display	LCD				
Protections	Battery reverse, Solar Panel reverse connection, Output Short Circuit, Battery Low, Battery Overcharge, Overload, Over Voltage, Under Voltage etc				

Note: Specifications are subject to change

Corporate Office:
POLYCAB INDIA LIMITED (formerly known as 'Polycab Wires Limited')
Polycab house, 771 Mogul lane, Mahim (W), Mumbai 400 016.
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Solar Division Marketing Office:
POLYCAB INDIA LIMITED (formerly known as 'Polycab Wires Limited')
Off. No. 34, Sangam Project Phase-2, Near RTO Pune,
Near Sangam Bridge, Pune- 411001.

Authorised Distributor / Dealer

For Consumer Complaint Contact : Officer, Consumer Care Cell
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