

## DSP BASED PURE SINE WAVE SOLAR INVERTER

### Salient Features

- State of Art MOSFET/IGBT based PWM technology with greater efficiency at lower cost with dynamic Stability.
- Suitable for any AC Load
- 92% Energy Efficiency
- Built in ATS, Bi-directional Inverter, Charge the Battery only when SUN is absent and Battery is low
- No Humming Noise (Silent Inverter)
- Pure Sine Wave even with Computer & Compact Fluorescent Lamp (CFL) Load
- Lower Battery Discharge

### Technical Specifications

Capacity	400VA, 600VA, 800VA, 1000VA, 1400VA, 2.5KVA, 3KVA, 3.5KVA, 4KVA, 5KVA, 6KVA, 7.5KVA, 10KVA	
Output Voltage at No Load	220V $\pm$ 5% AC	
Output Frequency	50.0 Hz $\pm$ 1.0 Hz	
Output Wave Form	Pure Sine Wave	
Nominal Battery Voltage	12V DC, 24V DC, 48V DC, 96V DC, 180V DC and Respective Models	
THD (Total Harmonic Distortion )	< =3% @ Resistive Load	
		46A $\pm$ 2A
		28.4 $\pm$ 0.2 VDC
		27.4 $\pm$ 0.2 VDC
	<b>Protections</b>	
Protections	Battery Voltage Low (4 Auto Retries) Over Load (6 Auto Retries) Battery Over Charge, Over Temperature, Short Circuit (One Retry), Battery Deep Discharge Protection	
	<b>Displays</b>	
Displays	AC Mains Voltage, UPS ON/OFF Short Circuit, Overload, Battery Low Mains ON/OFF, SOLAR Battery Charging/Charged/Low	



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