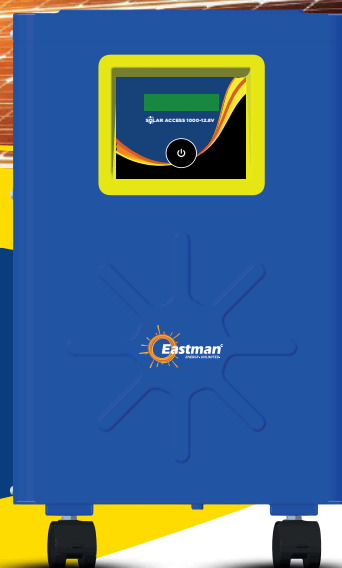




The **WISE** Choice

SOLAR ACCESS 1000-12.8V

Inbuilt Li-Ion Battery 12.8V 150AH



Made in India



Power Of One.



360 Degree Changeover
Synchronization.



X faster Battery Charging than
Lead Acid Battery



MPPT (Buck Based) Solar
Charger Topology.

Parameters	Specification
Power Rating	1000W
Lithium No Load O/P Voltage	215 ± 10V
O/P Frequency (No Load & Full Load)	50Hz ± 0.5Hz
Full Load O/P Voltage (Till Low Battery Alarm)	180V-230V± 10V
No Load Battery Current	<2.5 AMP
Over Load Battery Current	85A± 5A
Low Battery Indication Voltage	11.5±0.3V
Low Battery Shutdown Voltage	11.3±0.3V
No Load & Full Load O/P Short Ckt Protection	AVAILABLE
Output Waveform	PURE SINE WAVE
Over Load Shut Down Protection	AVAILABLE
Over Temperature Protection	115°C ± 10°C
Over Temperature Recovery	100°C ± 10°C
Re-Tries During Battery Low Cut Off (Wide Mode)	AUTO RE-TRY 3 TIMES
Re-Tries During Battery Low Cut Off (Narrow)	NO RE-TRY
Manual Reset During Battery Low (Using On/Off Switch)	POWER ON/OFF SWITCH AVAILABLE
Re-Tries During Over Load (Narrow Mode)	NO RE-TRY
Re-Tries During Over Load (Wide Mode)	AUTO RE-TRY 4 TIMES
Re-Tries During O/P Short Ckt Test	NO RE-TRY
Display	
Display Parameters	Battery Voltage, Charging Current, Pv Voltage, Pv Current, Grid Voltage, Grid Frequency, Output Voltage, Output Frequency, Load Percentage, Pv Power, Total Power Generations, Unit
Selection Switches	
1. Home Away-Disable/Enable , 2.Charging Current- Std/High, 3.Grid Charging -Enable/Disable, 4.Input Voltage-Wide/Narrow, 5.Mode-Intelligent/Solar/Hybrid	
Bulb Load Testing Criteria	Keep The System In Mains Mode @250v, Bulb Load Is 1000w±100w
Display	LCD

Mains Mode	Specification	
Nominal Mains Voltage	230Vac	
Nominal Frequency	50Hz	
Mains Low Cut (Narrow Mode)	170V± 10Vac	
Low Cut Recovery (Narrow Mode)	185V± 10Vac	
Mains High Cut (Narrow Mode)	270V± 10Vac	
High Cut Recovery (Narrow Mode)	255V± 10Vac	
Mains Low Cut (Wide Mode)	90V± 10Vac	
Low Cut Recovery (Wide Mode)	105V± 10Vac	
Mains High Cut (Wide Mode)	290V± 10Vac	
High Cut Recovery (Wide Mode)	275V± 10Vac	
Battery Charging Boost Voltage @ 220vac	14V± 0.3V	
Battery Charging Float Voltage @ 220vac	14V± 0.3V	
Mains Disconnect Battery Voltage Intelligent Mode	13.9± 0.3V	
Mains Reconnect Battery Voltage Intelligent Mode	12.5V± 0.3V	
Mains Disconnect Battery Voltage Solar Mode	13.7V± 0.3V	
Mains Reconnect Battery Voltage Solar Mode	12.2V± 0.3V	
Battery Charging Current @ 220vac(Std Mode)	18A±4A	
Battery Charging Current @ 220vac (High Mode)	20A±4A	
Mains Charging Current Float	<3A	
Battery High Cut	15.5V± 0.3V	
Battery High Cut Recover	BY SWITCH AND <15.4V	
Parameters	Specification	
Voc Range	15-52V	
Solar Under Voltage	14V	
Solar Recover Under Voltage	15V	
Solar Over Voltage	55V	
Solar Recover Over Voltage	52V	
Max Pv Power	1000W	
Solar Current Max.	66AMP±3AMP	
Solar Over Current	67AMP±3AMP	
Solar Charging Current	30A±5AMP	
Solar Charging Current Float	<5A	
Max Temp.	115°C ± 10°C	
Type Of Charger	MPPT WITH ISOLATED GATE DRIVE	
Spv Boost Voltage	14.2V± 0.3V	
Spv Charging Float	14.2V± 0.3V	
Efficiency	>94%	
Condition	Fan On	Fan Off
Load	>70%	<40%
Battery Charging Current	>13A	<8A
Solar Input Current	>6A	<4A
Temperature	>94°C	<81°C
Audio Indication	Specification	
Over Load Occurs	Beep With Delay	
Over Load Shut Down	No Beep	
Low Battery Occurs	Beep With Delay	
Low Battery Shut Down	No Beep	
Over Temperature Shut Down	Continuous Beep	
Short Ckt	Continuous Beep	
Input Fuse /Cb Trip	Continuous Beep	
Buzzer Mute Option	Buzzer Can Be Muted Any Time During Any Audio Indication By Pressing On/Off Switch	