

LITHIUM SOLAR ESS

One Unit. Total Backup.



SUPER Li-ion series

Reliable solar storage in one smart unit. The inverter, lithium battery, and MPPT charge controller come built together, avoiding wiring hassles and scattered components. It charges fast, benefits in long-term saving, and runs without noise or fumes. A clean, efficient way to keep homes and small businesses.

KEY FEATURES



COMPACT DESIGN
& LIGHT WEIGHT



LONGER
LIFE CYCLE



SMART BATTERY
MANAGEMENT SYSTEM



FASTER
CHARGING

Available Range:
3000VA-25.6V (125Ah Battery)

*Product images are for representation purpose only.

PRODUCT SKUs#

PRODUCT NAME	ESS 3550
PARAMETER	
WATT Input	3000
WATT Output	2200
Application	Solar Inverter
Weight (in Kg)	62
Dimensions (LxWxH) in mm	553X270X575
Installation	Floor
MPPT CHARGER	
Type of Charger	MPPT
Switching Element	IGBT
Max. Connected PV Modules	3000 Watts
Max MPPT Output Current	100 Amps
Battery Charging Current	5-45 Amps
Max. Open Circuit PV Voltage	110 V
MPPT Voltage Range	60-88 Volts
Max. Input PV Current	40 Amps
MPPT Peak Efficiency	92%
SOLAR INVERTER	
Nominal Output Voltage/ Frequency	220V / 50 Hz
Max. Output Nominal Current	10 Amps
Overloads	100-125% (120 Seconds), 126-150% (60 Seconds), 151-200% (5 Seconds), > 200% (Immediate)
Controller Type	DSP Based
Output Type	Pure Sine Wave
Input Source	PV/ Battery/Grid
Peak Inverter Efficiency	>85%
Changeover Time in UPS Mode	less than 15 msec
Changeover Time in Wide Range Mode	less than 25 msec
BATTERY	
Battery Ah/Voltage	125/25.6
Charging current (A)	30 Amps
Continuous discharging current (A)	50 Amps
Maximum continuous discharging current (A)	100 Amps
Battery Under Cut Alarm	24.2V (Settable)
Battery Under Cut	24.0V (Settable)
Charging Voltage	28.8V
GRID CHARGER	
Grid Operating Voltage Range (Normal Mode)	120-280 Volts (+/- 10V)
Grid Under Cut Recovery Voltage (Normal Mode)	135 Volts (+/- 5V)
Grid Over Cut Recovery Voltage (Normal Mode)	265 Volts (+/- 5V)
Grid Operating Voltage Range (UPS Mode)	180-260 Volts (+/- 10V)
Grid Under Cut Recovery Voltage (UPS Mode)	195 Volts (+/- 5V)
Grid Over Cut Recovery Voltage (UPS Mode)	245 Volts (+/- 5V)
Grid Input Frequency Range	47-53 Hz
DISPLAY/PROTECTIONS/INDICATIONS	
Protections	PV: Reverse Polarity, Battery Reverse Power, PV Power Limit Battery: Under Voltage Cut, Over Voltage Cut, Reverse Polarity, Overcharge Limit (BCL), Battery Fuse Grid: Over Voltage, Under Voltage, Over Frequency, Under Frequency, Grid Fuse Fail Load: Overload, Short Circuit, Over Heat, Output Low, Grid Back Feed, Prevent Ph to Ph condition Grid Supply
Display Type	16 x 2 Alpha Numeric Display with Backlight
ENVIRONMENT	
Operating Temperature	0-50 degrees Ambient
Max Relative Humidity @25°C (non Condensing)	0.95
Degree of Protection	IP20
Cooling	Temp Controlled Fan Cooled

#Subject to change without prior intimation