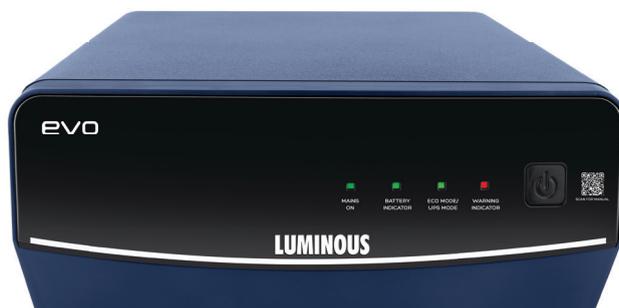


LUMINOUS

EVO-lution of Power Smarter. Sleeker. Stronger

Introducing EVO – where advanced technology meets sophisticated design. A true reflection of precision engineering, EVO proves that real evolution unites form and function for a superior power experience.



Model **evo**
S-1100VA | 12V
S-1400VA | 12V & S-1500VA | 24V

FEATURES



Long Battery Life
ABCC Technology



Silent Performance
Pure Sine Wave



Charge at low Voltage
LVTC Technology



Advanced Efficiency
SR Technology

APPLICATIONS



Television



Computer



Refrigerator



Fan



CFL

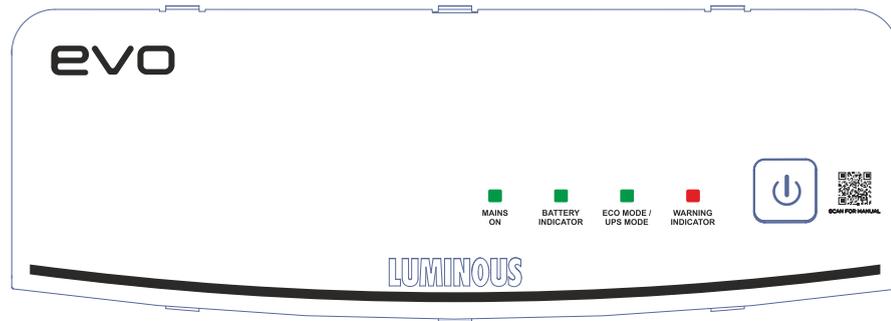
TECHNICAL SPECIFICATIONS

Models		1250	1550	1650
Apparent Power		1100VA	1400VA	1500VA
Active Power		924W	1176W	1260W
Input	UPS mode			
	Rated voltage	230V AC		
	Undervoltage Cut Off	180±5V		
	Undervoltage Restoration	190±5V		
	Overvoltage Cut Off	265±5V		
	Overvoltage Restoration	255±5V		
	ECO mode			
	Undervoltage Cut Off	85±10V		
	Undervoltage Restoration	95±10V		
	Overvoltage Cut Off	290±10V		
Overvoltage Restoration	280±10V			
Output	Rated voltage (UPS Mode)	(200 - 220)V AC ± 10%		
	Voltage (Mains Mode)	Same as input		
	Frequency (UPS / ECO Mode)	50 ± 0.5Hz		
	Frequency (Mains Mode)	Same as input (45-55 Hz)		
	Overload	> 105%		
	Transfer Time(UPS Mode)	< 20 ms.		
Battery	Type	80Ah-220Ah - Tubular, SMF, Flat		
	Voltage	12V		24V
	Number	1		2
	Typical Recharge Time	10-12 Hrs.		
	Protection	Low Battery, Reverse Polarity		
Physical	Net weight (Kg.)	11.6	13.6	13.5
	Gross weight (Kg.)	21.2	14.6	23.1
	Dimension (LxWxH) mm	275X301X140		
LED Displays	Inverter ON Indication	ECO/UPS LED Steady + Battery Indicator LED Steady		
	Low Battery Pre Alarm Indicator	ECO/UPS LED Steady + Battery Indicator RED LED Blinking		
	Low Battery Indication	Battery Indicator RED LED Steady		
	Mains ON Indication	Mains ON LED Steady		
	Charging ON Indication	Mains ON LED Steady + Battery Indicator LED Steady (according to battery %)		
	Battery Charged Indication	Mains ON LED Steady + Battery Indicator LED OFF + ECO/UPS LED Steady		
	Overload & Short Circuit Indication in Inverter Mode	Warning Indicator Led Blinking + ECO/UPS LED Steady		
	Thermistor Open / Short Indication	(Mains On & Warning Indicator Led) Steady		
	ECO Mode and UPS Mode	ECO, Green LED Steady and UPS, White LED Steady		
	Output Feedback Open / Reverse	(MAINS ON & Warning Indicator LED) Blinking		
	DC Overvoltage Indication	(Mains ON & Battery Indicator Led) Steady		
	Inverter Mode	61% & above - Batt Indicator Green LED Glow/ 60% To 20% - Batt Indicator Yellow LED Glow/ 20% to 10% - Batt Indicator Red LED Glow		
	Mains Mode	10% to 20% - Batt Indicator Red LED Glow 20% To 60% - Batt Indicator Yellow LED Glow/ 61% & above - Batt Indicator Green LED Glow/		
Alarms	UPS ON	Beeps for 2 times		
	Low Battery Pre-alarm	Beeps every 30 Seconds		
	Low Battery	Continuous beep (5 Seconds)		
	Short Circuit	Continuous beep (5 Seconds)		
	Overload	Continuous beep. Retry for 5 times		
	Mains to UPS change over	Beeps for 2 times		
	Over temperature	Continuous beep (5 Seconds) for 5 times		
Environmental	Operating Temperature	0-45°C (32-113°F)		
	Storage Temperature	0-45°C (32-113°F)		
	Humidity	0-95% RH non-condensing		

Due to continuous product improvement, the specifications are subject to change without notice.

Front Panel

This section covers the display indicators & an ON-OFF Switch.



Indicators	Depiction	Description															
MAINS ON		Glows when the Mains is available within normal limits (approx. 85-290V) as input to the unit in unregulated ECO mode and (approx. 180-260V) as input to the unit in regulated UPS mode.															
Battery Indicator		Glows as per the battery charging or discharging status. This is a triple colour LED and glows as per the below battery conditions. <table border="1"> <thead> <tr> <th>Colour LED's</th> <th>Battery Percentage</th> <th>Colour LED's</th> </tr> </thead> <tbody> <tr> <td></td> <td>10% to 20%</td> <td>Red LED Glow</td> </tr> <tr> <td></td> <td>20% To 60%</td> <td>Yellow LED Glow</td> </tr> <tr> <td></td> <td>61% & above</td> <td>Green LED Glow</td> </tr> <tr> <td>No Glow</td> <td>Fully Charged</td> <td>No Glow</td> </tr> </tbody> </table>	Colour LED's	Battery Percentage	Colour LED's		10% to 20%	Red LED Glow		20% To 60%	Yellow LED Glow		61% & above	Green LED Glow	No Glow	Fully Charged	No Glow
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	61% & above	Green LED Glow															
No Glow	Fully Charged	No Glow															
ECO / UPS MODE (MODE SELECTION)	 	The power switch is also used for the selection of ECO/UPS mode indicated by UPS /ECO LED. Default mode is ECO mode. Press & hold for 3 seconds to set the ECO/UPS mode. <ol style="list-style-type: none"> ECO: Green LED glows when the power switch is ON & ECO/UPS mode selection switch (front) is in ECO mode. In this mode, the inverter works on available mains range of 90-290V. UPS: White LED glows when the power switch is ON & ECO/UPS mode selection switch (front) is in UPS mode. In this mode, the inverter ensures regulated voltage input of 180-260V. This mode is suitable for running computer / TV's (LED & Smart TV). If the Mains voltage does not fall in this range, then the load gets transferred to UPS (backup) mode from Mains. On restoration of the normal Mains voltage, the load will get transferred back to Mains. Press front switch for 3 seconds to change it to UPS mode. 															
Warning Indicator		Glows when the inverter is in fault condition and not working as expected.															
Power / Reset Switch		Use this button to ON and OFF the device. If the switch is OFF, inverter will not work in the event of Mains failure. However, the charging will continue if Mains is in normal limit.															