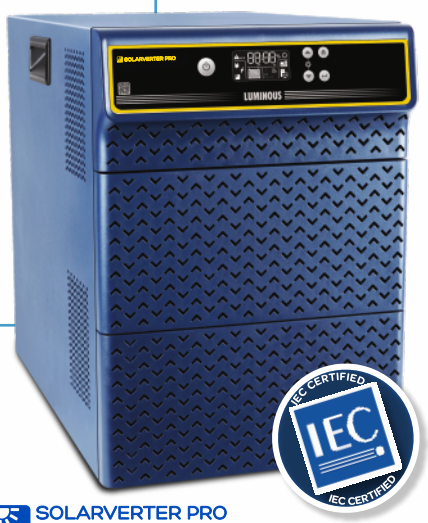
LUMINOUS

SOLAR

SOLARVERTER PRO

SOLAR OFFGRID INVERTER

Luminous solarverter are high efficiency solar UPS that can charge batteries both from solar and grid power.
The inbuilt MPPT (Maximum Power Point Tracking) charge controllers in these UPS extract up to 30% more power from solar panels.



High Efficiency
MPPT

User friendly
Glass LCD

Hybrid design
Solar & Grid charging

MODELS

- SOLARVERTER PRO 2KVA / 24V
- SOLARVERTER PRO 3KVA / 36V

MPPT TECHNOLOGY

LCD DISPLAY

TOUCH CONTROL BUTTONS

PURE SINE WAVE OUTPUT

SMART SOLAR OPTIMIZATION

IN-BUILT 38A SOLAR CHARGE CONTROLLER

SUPPORTS UPTO 2500W (2KVA) & 3500W (3KVA) SOLAR PANELS

WIDE OPERATING PANEL VOLTAGE RANGE (Voc): 57V-100V (2KVA) & (Voc): 75V-150V (3KVA)

SBL (SOLAR+BATTERY+LINE)
SBL (SOLAR+LINE+BATTERY)

TWO OPERATING MODES

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Technical Specifications

Rating		2KVA	3KVA
Input	***Regulated UPS mode***		
	Rated Voltage	230V AC	
	Undervoltage	180±5V	
	Undervoltage Restoration	190±5V	
	Overvoltage	260±5V	
	Overvoltage Restoration	250±5V	
	Unregulated ECO mode		
	Undervoltage	110±10V	
	Undervoltage Restoration	120±10V	
	Overvoltage	280±10V	
	Overvoltage Restoration	270±10V	
Output	Rated voltage (UPS Mode)	220V AC	
	Voltage (Mains Mode)	SAME AS INPUT	
	Frequency (UPS Mode)	50±1Hz	
	Frequency (Mains Mode)	SAME AS INPUT (47-53 Hz)	
	Overload	> 110%	
	Transfer Time(typical a.s.)	< 20 ms.	
Battery	Capacity*	100Ah-220Ah TUBULAR / FLAT / SMF	
	Number of Battery	2	3
	Typical Recharge Time	8-10 hours approx	
	Battery Boost Volatge	28.8V-29.4±0.5V	43.2V-44.1V±0.5V
	Protection	LOW BATTERY	
Physical	Net weight (Kg.)	25.0 Kg approx	32.5 Kg approx
	Gross weight (Kg.)	27.0 Kg approx	36.0 Kg approx
	Dimension (LxWxH)(mm)	300x326x284	300x417x452
Solar	Solar Panel	PV Panel of 2500Wp, Voc 105V Max	PV Panel of 3500Wp, Voc 150V Max
Front LCD Displays	Solar High Voltage Cut	Displays “S HI”	
	Solar Overload	Displays “SoLd”	
	Solar Over Temperature	Displays “SotP”	
	Solar Priority	Displays “SLB” or “SBL”	
	Line Current Status	Displays “LCEn” or “LCdI”	

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Front LCD Displays	Load Percentage	Displays “L085%”	
	Time to Charge & Discharge	Display time to charge or discharge in HH:MM	
	Overload	Displays “old”	
	Short Circuit	Displays “sct”	
	No Load	Displays “nld”	
	Overtemperature	Displays “otp”	
	Battery Low	Displays “Lbt” when batt. completely discharged	
	Battery High Cut	Displays “btHI” When battery voltage > 35V	Displays “btHI” When battery voltage > 52.5V
	Temp. Sensor Failed	Displays “Otp” When internal failure	
	Battery Level Symbol	Displays battery level available	
	Charging Symbol	Displays when battery is charging	
	Mains Symbol	Displays spark symbol	
	Mode Selection	Displays ECO or UPS Mode	
	Fault Symbol	Displays if there any fault or trip condition	
Alarms	UPS ON/OFF	Single Beep of 1Sec.	
	Low Battery	1 Beep of 5Sec.	
	Battery High Cut	1 Beep of 5Sec.	
	NO Load shutdown	1 Beep of 5Sec.	
	Short Circuit	1 Beep of 5Sec.	
	Overload shutdown	1 Beep of 5Sec.	
	Low Battery Warning	10 Beeps of 1Sec. each	
	Over Temperature	Single Beep for 5Secs.	
	Temp. Sensor Failed	Single Beep for 5Secs.	
	Solar High Voltage	10 Beeps of 1Sec. each	
Environmental	Operating Temperature	0-45°C (32-113°F)	
	Storage Temperature	0-45°C (32-113°F)	
	Humidity	0-95% RH non-condensing	

* TDR ON Time of SOLARVERTER PRO 3KVA-36V is 60-120second and it can add additional 4 min. delay in AC startup during power failure.
• Recommended AC rating upto: 1 Ton.
• Recommended AC current upto: 9Aac.

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

***AC (Air Conditioner) Operating Mode :**

Unit works fine in Eco/UPS Mode for Inverter AC.

For Normal AC, unit to be used in UPS Mode only.