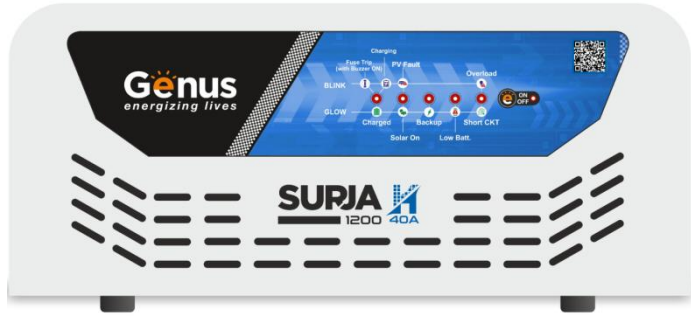
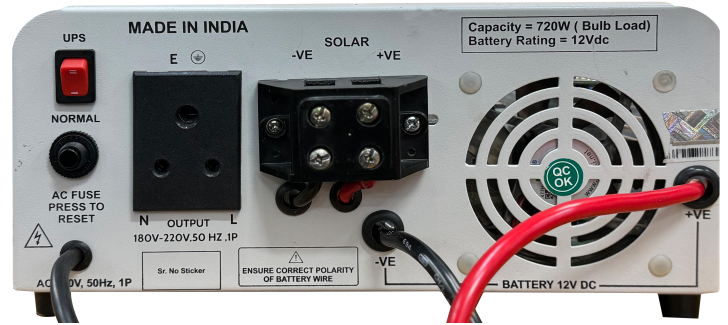


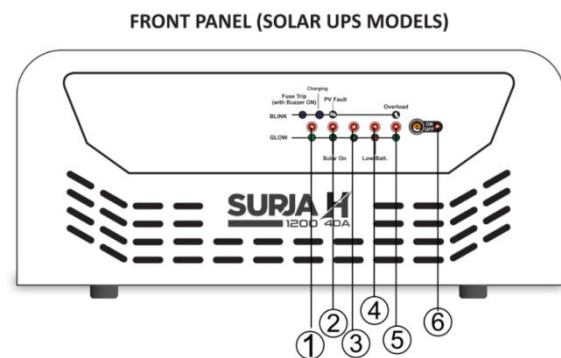
Front Panel



Back Panel



Display Details



SR NO	LED	State	Meaning
1	Charging / Fuse Trip (Buzzer)	Blinking	Mains available and battery charging (either by mains or Mains+Solar)
		Charged	Mains available and battery charged
		Blinking with beep of buzzer	Mains Reset Fuse Trip protection (Reset The Fuse)
2	Solar	Continuous Glow	Solar available (use for either charging battery or run load or both)
		Blinking with beep of buzzer	PV High Volt or PV High Current Protection (Check Solar Panel Connection)
3	Backup	Continuous Glow	Backup mode
4	Low Battery	Continuous Glow with beep of buzzer	Battery low warning
		Continuous Glow (No beep of buzzer)	Battery low protection (reset by front switch or by mains)
5	Over Load / Short Circuit	Blinking with beep of buzzer	Over load warning
		Blinking (No beep of buzzer)	Over load protection (reset by front switch or by mains)
		Continuous Glow with beep of buzzer	Short circuit protection
6	Front Switch Status	ON	Power Switch Pressed
		OFF	Power Switch not Pressed
ES Mode Running Condition	LED 1 : Charging / Charged LED 2 : Solar LED 3 : Backup	Continuous Glow	Energy Saver Mode Running

Specifications

Inverter Type	Solar
Battery Voltage	12Vdc
Output Capacity	720 W Bulb Load
Mains Input Voltage (UPS & NOR mode)	UPS : 180 ± 5 to 265 ± 5 VAC NOR:90±15 to 290 ±15 VAC
Battery Boost, Float Charging and Low Battery Voltage	Boost = 14.4 ± 0.2 V Float = 13.5 ± 0.2 V Low Battery = 10.4V ± 0.2V
Solar Charger Rating	40A (Maximum)
Grid Charging Current	15A (Maximum)
Maximum Solar Panels	660 W
Solar Input Voltage Range (Vmpp)	15V - 30V
Max Solar DC Input Voltage (Voc)	37 V
Max. Solar Charging Current to Battery	20 A ± 3AMP
System Dimensions (w/o packing) in MM	270 X 224 X 125 MM
Weight (kg)	New weight:- 8.380Kg Approx Gross Weight:- 9.080 Kg Approx

Features:

● **BY DEFAULT ES MODE DETAILS**

Mode	Mains	Solar	Battery	Action
Energy Saver ON	Available	Available	Available	1. This mode by-default enable only if Solar is available. 2. SURJA will cut the Mains from Inverter after Battery will reach Float condition 3. If Load requirement is greater than Solar available then balance will be taken by Battery 4. If Load requirement is less than Solar available then balance will charge the Battery. 5. When Battery Voltage is below 11.1 ± 0.2 V, SURJA will again connect Mains to Inverter. 6. If Mains or Solar is not available, then Energy Saver mode will not operate. Inverter will work its normal functions.

- Max. Solar Charging Current to Battery = 20AMP ± 3AMP
- UPS/NOR Mode Selection Switch
- Mains Lead with Top
- Copper Battery Wire
- Resettable AC FUSE
- Easy to Install

Protections Included:

- Low Battery Cut
- Over Load
- Over Temperature
- Short Circuit
- Mains Fuse Blown / Resettable Fuse
- PV Reverse
- PV Over voltage
- PV Over current

Max. Total Panel Power (W)	Single Panel Power (W)	Max. Total No. of Panel	Voc per Panel	Panel Config.
600	100	6	22	6 String (parallel)
660	165	4	22	4 String (parallel)

*Specifications are subjected to change without any prior notice

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