

Technical Specifications :

	Description	650VA	850VA	1050VA	1450VA
Input Range	Under Voltage Cut off (UPS mode)	180V ±10V			
	Recovery from Under Voltage (UPS mode)	190V ±10V			
	Over Voltage Cut off (UPS mode)	260V ±10V			
	Recovery from Over Voltage (UPS mode)	250V ±10V			
	Under Voltage Cut off (Normal mode)	100V ±10V			
	Recovery from Under Voltage (Normal mode)	110V ±10V			
	Over Voltage Cut off (Normal mode)	280V ±10V			
	Recovery from Over Voltage (Normal mode)	270V ±10V			
	PV Input Voltage Range	13V - 22V			26V - 44V
	Max. PV Input Current	40Amp			
	Protection	PV Reverse, Under Voltage, Over Voltage, Mains Fuse Trip with Beep sound & shown on LCD			
Output Range	Nature	Solar Hybrid Pure Sine Wave			
	Maximum Power	650VA	850VA	1050VA	1450VA
	Voltage (UPS/ Normal Mode) (No Load)	220V ± 5V			
	Voltage (UPS/ Normal Mode) (Full Load)	200V - 220V			
	Voltage (Mains Mode)	Same as Input			
	Frequency (UPS/ Normal Mode)	50Hz ± 1Hz			
	Frequency (Mains Mode)	Same as Input			
	Change Over Time (Mains to UPS mode)	≤ 10msec			
	Change Over Time (UPS to Mains mode)	≤ 7msec			
	Change Over Time (Mains to Normal mode)	≤ 40msec			
	Change Over Time (Normal to Mains mode)	≤ 7msec			
	Protection	Over Load, Short Circuit, Permanent Short Circuit with beep			
Battery	Type	Lead Acid 120Ah/150Ah/180Ah			
	Quantity	One (12V)		Two in Series (24V)	
	Discharging Current (No Load & Switch Off)	≤150mAmp			
	Discharging Current (No Load & Switch On)	≤2.2Amp			
	Discharging Current (Full Load)	41Amp±1		53Amp±1	46Amp±1
	Charging Current @220VAC (High)	15A ± 1Amp			
	Charging Current @220VAC (Low)	11A ± 1Amp			
	Max. PV Charging Current	30Amp			
	Boost Charging Voltage	14.4V ±0.2V			28.8V ±0.4V
	Float Charging Voltage	13.7V ±0.2V			27.4V ±0.4V

Display	Switch Off	No Indication		
	Switch On	Blue Indication		
	Inverter working on battery	Blue Indication of "Back up On"		
	Battery under Charging	Through LCD cell moving upward		
	Battery fully Charged	Through LCD cell stable		
	Availability/Unavailability of Solar	Through LCD		
	Mains Voltage status	Through LCD		
	Battery Voltage Status	Through LCD		
	UPS or Normal mode operation	Through LCD		
	AC Output Load percentage	Through LCD		
	Overload trip	Through LCD		
	Short Circuit trip	Through LCD		
	Over Temperature indication	Through LCD (All protection will show) with beep		
	Battery Low & Battery Low Trip	Through LCD with beep		
Protections & Alarm	Over Load protection	>41Amp with Beep	>53Amp with Beep	>46Amp with Beep
	Over Load retry	Shut down after 6 auto retries including beep sound		
	Battery Low	10.6V \pm 0.2V		21.2V \pm 0.4V
	Battery Low Trip	10.4V \pm 0.2V		20.8V \pm 0.4V
	Battery Low Trip	Shut down after 4 auto retries including beep sound		
	Battery Low Shut Down Reset	Through On/Off switch or mains supply		
	Short Circuit	Shut down after single auto retry including beep sound		
	Over Temperature Alarm	All protection will show with beep		
Weight & Dimensions	Dimensions	350mm (L) x 325mm (W) x 170mm (H)		400mm (L) x 370mm (W) x 250mm (H)
	Net Weight	9.0Kg	9.99Kg	16.5Kg
	Gross Weight	9.6Kg	10.6Kg	17.5Kg

- *As continuous improvement in product is a process, so specifications may subject to change without prior notice.*