



FEATURES:

- Wall Mountable
- Smart Home UPS
- Pollution Free & Safe
- Solar Chargeable
- 10-15 Years Battery Life
- 3x Faster Charging



INPUT Power rating 1100 VA DC Voltage V 12.8 **Battery Capacity** 100 @C1 Ah Voltage Range 170-270 Vac 45-65 Frequency Hz Full Load DC Output Current Α 65 THD % >10% at 220VAC (input) >0.9 Input Power Factor Lag Charger Topology CONSTANT CURRENT/VOLTAGE

OUTPUT				
Power Capacity	W	850		
Voltage	Vac	220 +/-7		
Frequency	Hz	50		
Power Factor	Lag	0.85		
Voltage Harmonic	%	<5(LINEAR LOAD)		
Waveform		Pure Sine Wave		
Transient Response	%	<8(10%-90% (Linear Load)		
Low Battery Voltage		Smart Shutdown		
Peak efficiency of inverter	%	82		
Crest Factor		3:01		
Changeover time from inverter to mains in UPS mode		ms <10		
Changeover time from inverter to mains in normal mode		ms <10		
Changeover time from mains to inverter in UPS mode		ms <10		
Changeover time from mains to inverter in Normal mode		ms <40		
Overload capacity (IT Load selection)125% sec		6(6 Auto Retry)		
Overload capacity (IT Load selection)150% sec		2(6 Auto Retry)		
Overload capacity (Normal Load Selection)125%		sec 6(6 Auto Retry)		
Overload capaciity(Normal Load Selection)150%		sec 2(6 Auto Retry)		
Cooling Fan ON at temp	°C	60° or >45% of load		
Cooling Fan Off at temp	°C	55° or <40% of load		



SOLAR

Maximum PV Power Recommended	(150W/160W)*4
Solar Current Maximum	40A

BATTERY AND RUNTIME

Battery Type	Lithium Iron
Battery Chemistry	Lithium Iron phosphate
Charging Time	5-6hrs
Backup Time at 400W	>3hrs
Backup Time at 100W	>2hrs

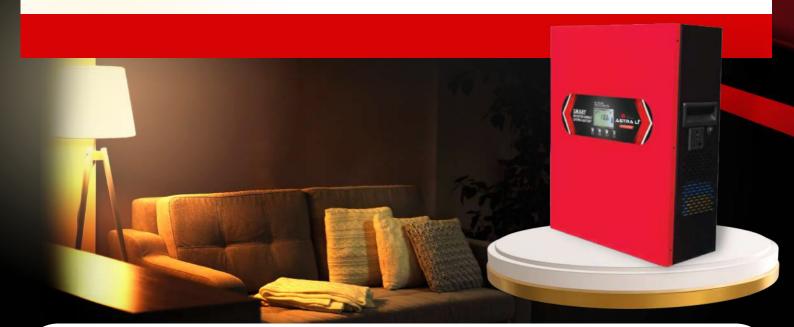
OTHER FEATURES

IP Protection Class		120
Operating Temperature	°C	0-50°
Storage Temperature		0-65°
Audible Noise	dB	<50
Max RH	%	L95
Dimension	L*W*H	440mm*367mm*153.5mm
Weight	Kgs	22

DISPLAY			
LED Indication	UPS ON		
Alarm Function	Battery Low Voltage, Mains Abnormal,UPS Fault, Output Overload		
Alarm Function	Battery Voltage, Mains Voltage, UPS ON/OFF, UPS Mode, Load Percentage (0-150%), Overload, Short Circuit, Fault, Battery Low, Over Temperature, Fuse Trip (Customised LCD)		



Parameters	Normal Lead Acid Battery	Astra Li+ Battery Pack inbuilt Inverter
Battery and Inverter Module	Individual Battery Individual Inverter	Compact Inverter with inbuilt Battery
Maintenance	3 Months Once	No Maintenance
Charing Time	10-12hrs	5hrs
Weight	60Kgs	22Kgs
Backup Time 100Watts	8hrs	12hrs
Battery Life	5 Yrs	15 Yrs
DOD	75%	100%
Installation	No recommended to Install in Living Room	Wall Mountable in Living Room
Life cycle	800cycles	3000cycles
Temperature	Less Efficient	More Efficient
BMS	No	Yes
Over Voltage Protection	No	Yes
Over Charge Protection	No	Yes
Short Circuit Protection	No	Yes
Temperature Protection	No	Yes
Capacity Rating	C20 or C10	C1
Max Charging Current	0.1C	1C



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