

# V-GUARD SMART 1650

## TECHNICAL SPECIFICATION (AS PER LEGAL METROLOGY GUIDELINES)

Feature	Specification
Model	SMART 1650
Capacity	1300VA
Mains Input Voltage Range	Normal Mode: 90V - 290VAC $\pm$ 10V, 43Hz – 57Hz. UPS Mode: 180V - 260VAC $\pm$ 6V, 47Hz - 54Hz
UPS Output Voltage (Mains Mode)	Same as input (With in the working range)
No Load Output (Battery Mode)	220V, 50Hz, 1P ( In Normal Mode) 230V, 50Hz, 1P ( In UPS Mode) 240V, 50Hz, 1P ( In High Performance Mode)
Output Waveform	Pure Sinewave
Transfer Time	UPS mode <10mSec.
Battery Type & Capacity	12V, 80Ah to 230Ah, Lead Acid (1 No)
Battery Recharge Time*	8-12Hrs (Depends on battery capacity and charging current selection) (*Time for a fresh 150Ah tubular battery at high charging mode selection and mains voltage within 150-280V range.)
Operating Temperature	0°C to 45°C
Product Dimensions (L x W x H)	275mm x 250mm x 120 mm (L x W x H)
Application**	Fan, CFL, Tube Light, EESL LED Bulb, Mixer (up to 900W**), Room Cooler (up to 250W**), LED TV (up to 55”), Inverter Refrigerator (up to 300L), Desktop Computer, Deskjet Printer, PlayStation. Two-wheeler EV Charger (Up to 350W)

## LOAD CHART

MODELS	INVERTER CAPACITY (VA)	TV (W)	LED BULB (W)	FAN* (W)	LED TUBELIGHT (W)	LAPTOP (W)	WIFI ROUTER (W)	FRIDGE (W)	BACKUP WITH 150AH BATTERY AT CONNECTED LOAD		BACKUP WITH 200AH BATTERY AT CONNECTED LOAD	
		75	9	70	20	65	9	200	50%	75%	50%	75%
SMART 1650	1300	2	5	4	5	1	1	1	2 Hrs. 45 Min	1 Hrs. 45 Min	3 Hrs. 40 Min	2 Hrs. 30 Min