

**TECHNICAL SPEC. OF HOME UPS, MODEL HPS – 0.6 / 0.8 / 1.5 / 2/ 3/ 5 KVA
(Microcontroller base – PWM)**

	DESCRIPTION	SPECIFICATIONS
1.	Battery Voltage	: 12/24/48 /96 VDC Nominal 10.35/20.7/41.4 /82.8 VDC Minimum 16/33/66 / 132 VDC Maximum
2.	Maximum Inverter continuous O/P Power	: 600 / 800 / 1500 / 2000 / 3000 / 5000 VA
3.	Inverter mode nominal AC Volt Regulation	: 220/230V single phase (Factory Selectable) 220/230V \pm 3%
4.	Inverter mode nominal Frequency Regulation	: 50Hz. 50Hz. \pm 0.1%
5.	Wave Shape	: Sinusoidal
6.	Design	: Micro controller, Mosfet topology
7.	Soft Start	: Yes
8.	Inverter Surge O/P rating	: 120% for 16 milisec. 150% for 1 milisec.
9.	Peak Efficiency	: >88% at nominal battery voltage at 25°C
10.	THD	: <3%
11.	Overload	: Auto reset 5 operations. Beyond system shutdown. Restart with Reset switch.
12.	LED Display	: Inverter ON Grid ON Battery low Mains Charging ON Over load
13.	Fault Protection	: Inverter overload (time dependent) O/P short circuit Battery over voltage Battery under voltage
14.	Audible alarm	: At the starting, over load, battery low
15.	Operating Temperature	: 0°C to 50°C
16.	Humidity	: 5% to 95% non-condensing
17.	Enclosure	: Front Cover FRP, Body Sheet Metal with Epoxy Powder Coating. Floor Mounting.