



## A HIGH-PERFORMING HOME UPS

- ▶ Micro Processor based PWM Technology using Hi-Grade Mosfets/ IGBTs.
- ▶ Static UPS with LCD Display. Pure Sinewave Output.
- ▶ PLPO-Peak Load Peak Output, ensures High Peak Load Handling Capacity.
- ▶ Advanced Battery Management (ABM) for Longer Battery Life and Quick Charging.
- ▶ Inbuilt TDR (Time Display Relay).
- ▶ Best Suited for most High Capacity Sophisticated Applications.

### STATIC UPS WITH LCD DISPLAY & INBUILT TDR



## TECHNICAL SPECIFICATIONS

MODELS WITH SWITCHING DEVICE: IGBT Modules 600V/200A			
MODEL UPS	JM SW6500i	JM SW 9000i	JM SW 11000i
Capacity / Rating	5.5KVA/4400W	8KVA/6400W	10KVA/8000W
Output Waveform / Power Factor	PURE SINEWAVE / 0.8		
Nominal Battery Voltage	96V DC	120V DC	180V DC
Output Freq. / Output Voltage (Batt. Mode)	50Hz±0.5Hz / 220V(±10V)	50Hz±0.5Hz / 230V(±10V)	50Hz±0.5Hz / 230V(±10V)
Efficiency (Battery Mode)	>82%		
Maximum Charging Current	16A(± 2A) Default. Settable down to 5A via Resistor Change on Control Board		
Recommended Battery Type / Battery AH	Tall-Tubular / Flat-Plate Lead Acid Batteries / (100AH-180AH)**		
Wide Input Voltage Range (Inverter Mode)	100V~280V		
Narrow Input Voltage Range (UPS Mode)	185V~260V		
Transfer Time from Mains to Batt. (UPS Mode)	< 10ms		
Transfer Switch Mechanism	SCR-SCR Module (Semiconductor device)		
Manual / Maintenance Bypass	Available through Rotary Switch on the Back Panel		
Total Harmonic Distortion (Resistive Load)	Less than 3%		
Overload Handling Capacity / Short Circuit	105%~125% (4 Times Auto-Reset) / 300%		
Separate O/P with TDR / Charger Control	Available with 1-Min. TDR (For Air-Conditioner Type Loads) / Advanced Battery Management		
AC Input Voltage Range / Power Factor	106V~280V / 0.85 to Unity		
Protections / Display	Low Battery Shutdown, Battery Overcharge, Overload & Short Circuit / LCD + LED		
Environmental Parameters	Operating Temperature: 0~45°C / Acoustic Noise at 1 Mtr.: <60dB Relative Humidity: Max. 95% non-condensing. Thermal Management: Integrated Cooling (Fan & Heat Sink)		
Dimensions (LxWxH) mm / Gross Weight	600x345x665 (92.31Kgs)	600x345x665 (109.5Kgs)	600x345x665 (140Kgs)
<b>Recommended Load Applications:</b> Multiple type Lights & Fans (in Residences, Malls, Hotels, Farm-houses, Hospitals, Banks etc), Computers (Without any in-rush current carrying Loads at product output), Refrigerators, Air Conditioners* 1.5-TON / 2-TON, Desert Cooler, Photo copier Machine, Laser jet Printers, Petrol Pump Nozzles : (2-in JM SW 6500i, 3~4-in JM SW 9000i, 5~6-in JM SW 11000), Submersible Water-Motors, Appliances in Railway Coaches with JM SW 6500i Model with 110VDC bank of Railway Coach.			

**NOTE:** \*Power Factor may vary depending upon the Load. \* Because of a policy of continuous product improvement, specifications are subject to change without notice.

\* O-General make Air-Conditioners are exception, Need to Check Start-up Current of this AC carefully before recommending with JUMBO UPS Models.

\*\* VRLA/SMF Type Batteries are generally not recommended, but if need to use such Battery Type, Kindly remember to operate the Battery Selection Switch available on back bottom side of the Product & Keep the Switch Position on bottom side, in order to reduce the Boost Charge Voltage level (from 14.4/14.5VDC per Battery) upto the acceptable limit of 14.1 VDC per Battery.



Air Conditioner



Computer & IT



Water Motor



Petrol Pump



Shopping Mall



Photocopier