



## 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: MOSFETS											
MODEL UPS JM SW	2500+	2750+	3000+	3500+	3750+	4500+	4000+	5500+	6000+	8000+	
Capacity (KVA)	2KVA	2.2KVA	2.5KVA	2.8KVA	3.2KVA	4KVA	3.7KVA	5.2KVA	5.7KVA	7KVA	
Rating (WATT)	1600W	1760W	2000W	2240W	2560W	3200W	2960W	4160W	4560W	5600W	
Output Waveform / Power Factor	PURE SINEWAVE / 0.8										
Nominal Battery Voltage	24V DC	24V DC	24V DC	24V DC	36V DC	36V DC	48V DC	48V DC	72V DC	72V DC	
Battery Charger	Boost based PWM controlled multistage ATM (Automatic Trickle Mode) Charging										
Recommended Battery Type / Battery AH	Tall-Tubular / Flat-Plate Lead Acid Batteries / (80AH-200AH)**										
Output Freq. / Voltage (Batt. Mode)	50Hz±0.2Hz / 180~230V(±10V)										
Maximum Charging Current	17A(±2A) Default. Settable down to 5A via Switch Selection										
Std. I/P Vol. Range (Inv. Mode) (#10V)	80~290V				100~270V						
Narrow I/P Vol. Range (UPS Mode) (≤10V)	180~265V				180~260V						
Transfer Time-Mains to Batt. (UPS Mode)	≤ 10ms										
Input Brown Out Voltage (≤10V)	100V										
Mains Bypass / Switch-Over	Rocker Bypass Switch Automatic from Mains to Backup and Backup To Mains										
Separate O/P with TDR	NAAvailable with 1-Min. TDR (For Air-Conditioner Type Loads)										
UPS Overload / Short Circuit ProtectionI	≥110% / ≥300%										
Efficiency (Battery Mode)	>80%	>74%	>71%	>71%	>76%	>75%	>78%	>78%	>83%	>80%	
Protections / Display	Low Batt. Voltage, Batt. Overcharge/Reverse Polarity, Over Temp., Smart Overload Sense & 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	445x320x460				514x339x460						
Gross Weight	19.93Kgs.	23.80Kgs.	23.76Kgs.	23.93Kgs.	27.19Kgs.	27.52Kgs.	28.87Kgs.	34.90Kgs.	37.30Kgs.	37.30Kgs.	
<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