Specially designed for running higher loads for longer hours, the Microtek High Capacity UPS Jumbo Series comes with Smart Overload Sense, Short Circuit Protection and Pure Sinewave Output that makes it a powerhouse of uninterrupted backup!

SALIENT FEATURES

- Powered by microprocessor-based PWM technology and premium MOSFETs for ultra-stable performance.
- Advanced Battery Management (ABM) charges your batteries faster and keeps them healthy for years longer.
- Features an in-built Time Delay Relay (TDR) to protect your equipment from sudden voltage spikes during power transitions.
- Static UPS design featuring a high-definition LCD for real-time monitoring.
- Built-in protection to manage power-on sequences for sensitive equipment.
- Engineered for high-capacity, sophisticated electronic systems and industrial use.

For the purpose of recycling to facilitate effective utilization of resources, please return this product to a nearby authorised collection centre. Customer can reach or call Microtek Customer Care No.: 7283838383 for deposit of Electronic Waste materials of MICROTEK brand. For details please visit web.: **www.microtek.in**

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COMPLETE POWER SOLUTIONS



INVERTER | SOLAR | UPS | BATTERY | ONLINE UPS | STABILIZER | EV CHARGER | WIRES & CABLES | CPD

Microtek International Pvt. Ltd.
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1500+ Service Engineers | **500+** Service Centers | Quick Response Time

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COMPLETE POWER SOLUTIONS

No.1 UPS BRAND*



NEXTGEN SERIES

Compatible with Lithium Battery

JUMBO UPS
HIGH CAPACITY SERIES



COMPATIBLE WITH ALL BATTERY TYPES: **LITHIUM**, SMF, FLAT & TUBULAR.

4-LEVEL VARIABLE CHARGING SELECTION (5A / 10A / 15A / 20A)

*As per the total units sold till date

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JUMBO UPS

HIGH CAPACITY SERIES



STATIC UPS
WITH
LCD DISPLAY
& INBUILT TDR

Air Conditioner

Computer & IT

Water Motor

POWERED BY COPPER BATTERY WIRE

Petrol Pump

Shopping Mall

Photocopier

3 YEARS ONSITE WARRANTY

Disclaimer: Suitable for selected/essential loads in malls and commercial spaces only. Not for complete facility

TECHNICAL SPECIFICATIONS (IGBT MODELS)

MODEL UPS	JM SW 6500i	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)	< 20ms		
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%		
Seperate 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	555x405x525 ± 2mm (92.31Kgs)	679x447x727 ± 2mm (109.5Kgs)	679x447x727 ± 2mm (140Kgs)

TECHNICAL SPECIFICATIONS (MOSFET MODELS)

Parameter - NEW	2500+	2750+	3000+	3500+	3750+	4500+	4000+	5500+	6000+	8000+
Capacity (VA) / Rating W	2000/1600	2200/1760	2500/2000	2800/2240	3200/2560	4000/3200	3700/2960	5200/4160	6500/5200	7000/5600
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	Lithium, SMF, Tubular, Local, & Flat batteries (80AH–300AH)*									
Input Freq / Voltage (Batt. Mode)	50Hz±0.2Hz/180~230V (±10V)									
Maximum Charging Current	5A, 10A, 15A & 20A									
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	Rotary/ Rocker Bypass Switch Automatic from Mains to Backup and Backup to Mains									
Separate O/P with TDR	NA	Available with 1 Min. TDR (For Air-Conditioner Type Loads)								
UPS Overload / Short Circuit Protection	≥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									
Transfer switch mechanism	SCR-SCR + Relay mechanism									
Thermal Management	Integrated Cooling (Fan & Heat Sink)									
Dimensions (LxWxH) mm	445x320x460	514x339x460								
Gross Weight (kg)	19.93Kgs.	23.80Kgs.	23.76Kgs.	23.93Kgs.	27.19Kgs.	27.52Kgs.	28.87Kgs.	34.90Kgs.	37.30Kgs.	37.30Kgs.