



TOLLFREE
HELPLINE



QUICK
RESPONSE
TIME



SERVICE
EXCELLENCE

ON SITE
SERVICE



QUALIFIED
ENGINEERS



CUSTOMER
FRIENDLY



FOR SALES-RELATED QUERIES,
GIVE US A MISSED CALL AT: **+91-9711666444**

WHATSAPP: **8800255733**

*Helpdesk language support: Hindi, English, Bengali, Tamil and Punjabi.

Corporate Office: H-57, Udyog Nagar,
Main Rohtak Road, New Delhi-110041.



POWERING UP WITH ELEGANT BACKUP





**Powering up
with togetherness**



OUR INVERTERS

Microtek, a prominent player in India's power product market, is widely acknowledged as the most reliable and preferred brand, particularly in the domain of inverters. The company's best-in-class products, especially its inverters, have helped the organization to achieve the position of India's most trusted & preferred brand.

This commitment has earned widespread acceptance and appreciation from households and the industrial sector globally, solidifying Microtek's legacy of innovation and benchmark-setting in providing cutting-edge solutions for power needs.





elite
AN ELEGANT PERFORMER



UNINTERRUPTED POWER, UNINTERRUPTED COMFORT

- ▶ In-built battery closure for easy installation
- ▶ Wheeled design for easy movement and convenient use
- ▶ Design of separation between battery and PCBA extend the PCBA lifetime

- ▶ Wider main frequency and generator compatibility
- ▶ Fast-charging



LED Display



LCD Display

TECHNICAL SPECIFICATIONS

ELITE SINEWAVE UPS		
Product	ELITE 1500 LCD 12V SW	ELITE 1500 12V SW LED
Input Voltage	Inverter Mode: 100V-300V; UPS Mode: 180V-260V	
Output Voltage	Mains Mode: Same as Input / UPS Mode: 210V#10%:	
Output Frequency	UPS Mode: 50HZ + 0.1HZ	
Switching	Automatic (from Mains to UPS and from UPS to Mains)	
Output Waveform	Mains Mode: Same as Input / UPS Mode: Pure Sinewave	
Batt. Charging Current	Constant Charging approx. 10% of the rated Battery Current in AH:	
Charger	Power Factor Controlled Boost Technology	
Efficiency	> 80%:	
UPS Overload	110%:	
UPS Short Circuit	300%	
UPS Transfer Time	≤15msec.	
Browns Out Mains Vol.	100 ± 40V	
Technology	Micro Computer Based intelligent Control Design	
Auto Reset Feature	Yes	
Operating Temp.	0:C~ 45°C	

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



Strong Wheelbase for easy movement



UPS & Inverter mode for running IT & Home Load



High & Standard Charging options for Quick Batt. Charging



Ultimate Safety for Children



Generator Compatible for Wider Freq. Range



Protection from Short Circuit, Over Temp., Over Charge & much more



FAN/LIGHT



LED TV



LAPTOP



WIF-FI ROUTER

Comes with in-built Battery Enclosure



LUXE
LCD HOME UPS



THE MOST ADVANCED INTELLIGENT & SMART HOME UPS RANGE



- ▶ Most Intelligent & Smart LCD UPS with Micro Computer Inside
- ▶ Intelli Pure Sinewave Output safest for sensitive appliances along-with noiseless performance
- ▶ 5 Stage Intelligent Battery Charging Algorithm

- ▶ Best Performance with all types of Batteries, Local, Flat Plate & Tubular
- ▶ High Charging for Fast Charging for High Power-Cut areas
- ▶ Standard Charging option for Normal Power-Cut areas



TECHNICAL SPECIFICATIONS

LUXE LCD SINEWAVE UPS				
Product	1000/12V SW	1200/12V SW	1400/12V SW	1900/24V SW
Input Voltage	Inverter Mode: 100V-300V UPS Mode: 180V-260V			
Output Voltage	Mains Mode: Same as Input / UPS Mode: 210V±10%:			
Output Frequency	UPS Mode: 50HZ ± 0.1HZ			
Switching	Automatic (from Mains to UPS and from UPS to Mains)			
Output Waveform	Mains Mode: Same as Input / UPS Mode: Pure Sinewave			
Batt. Charging Current	Constant Charging approx. 10% of the rated Battery Current in AH:			
Charger	Power Factor Controlled Boost Technology			
Efficiency	> 80%:			
UPS Overload	110%:			
UPS Short Circuit	300%			
UPS Transfer Time	≤15msec.			
Browns Out Mains Vol.	100 ± 40V			
Technology	Micro Computer Based intelligent Control Design			
Auto Reset Feature	Yes			
Operating Temp.	0°C~ 45°C			

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



ADVANCED RESETTABLE CIRCUIT BREAKER
Total Safety of connected Appliances



UPS & INVERTER MODE
For Running IT & Home Load



HIGH & STANDARD CHARGING OPTION
For Quick Battery Charging



COMPATIBLE WITH ALL BATTERY TYPES
Tubular, Local & Flat Plate



FAN/LIGHT



LED TV



LAPTOP



WIFI-ROUTER

DISPLAYS SAFETY ALERTS WITH BUZZER

• OVERLOAD • OVERTEMPERATURE • SHORT CIRCUIT • TRIP IN THE CIRCUIT



Heavyduty
VTURBO
 POWER PACKED PERFORMANCE



RUNS EVERYTHING ALL THE TIME

► Heavy Duty VTurbo UPS model is specially designed to run Everything, including all types of Heavy Loads and IT Loads.

► Heavy Duty Turbo UPS has Variable Turbo Charging Levels 20A, 15A & 10A, which make it most suitable to run Everytime after all types of power-cut durations.



- 10 A-For Low Power Cut Areas
- 15A-For Medium Power Cut Areas
- 20A-For Long Power Cut Areas



LED Display



LCD Display

TECHNICAL SPECIFICATIONS

ADVANCED DIGITAL MODELS		PURE SINEWAVE MODELS	
Input Voltage	Inv. Mode: 90V-300V UPS Mode: 180V-260V	Input Voltage	Inv. Mode: 90V-300V UPS Mode: 180V-260V
Output Voltage	Mains Mode: Same as Input UPS Mode: 200V ~ 230V ± 10%	Output Voltage	Mains Mode: Same as Input UPS Mode: 210V ± 10%
Output Frequency	UPS Mode: 50Hz ± 0.1Hz	Output Frequency	UPS Mode: 50Hz ± 0.1Hz
Switching	Automatic (from Mains to UPS & UPS to Mains)	Switching	Automatic (from Mains to UPS & UPS to Mains)
Output Waveform	Mains Mode: Same as Input UPS Mode: TPZi (Trape Zoidal Waveform)	Output Waveform	Mains Mode: Same as Input UPS Mode: PURE SINEWAVE
Battery Charging	Constant Charging approx. 10% of the rated Battery Current in AH	Battery Charging	Constant Charging approx. 10% of the rated Battery Current in AH
Charger	Constant Current, Constant Wattage	Charger	Power Factor Controlled Boost Technology
Efficiency	> 84%	Efficiency	> 80%
UPS Overload	110%	UPS Overload	110%
UPS Short Circuit	300%	UPS Short Circuit	300%
UPS Transfer Time	≤ 15msec.	UPS Transfer Time	≤ 15msec.
Browns Out		Browns Out	
Mains Voltage	100 ± 40V	Mains Voltage	100 ± 40V
Technology	Micro Controller Based Design	Technology	Micro Controller Based Intelligent Control Design
Auto Reset		Auto Reset	
Feature	Yes	Feature	Yes
Operating Temp.	0°C ~ 45°C	Operating Temp.	0°C ~ 45°C
Available Models	1550, 12V DG / 1750, 12V DG / 2350, 24V DG	Available Models	1550, 12V SW / 1750, 12V SW / 2350, 24V SW

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



COMPATIBLE WITH ALL TYPE OF BATTERIES



IN-BUILT BYPASS SWITCH



CHARGING EVEN AT LOW 90V MAINS



ULTIMATE PROTECTION WITH IN-BUILT MCB



FAN/LIGHT



LED TV



LAPTOP



WIF-FI ROUTER



SmartHybrid
Powered by Smart Hybrid Electronics Integrated Circuit Technology



THE ULTIMATE DIGITAL & SINEWAVE UPS

- ▶ Design Powered by Smart Hybrid Electronics Integrated Circuit Technology for most Optimum and Reliable Performance.
- ▶ True Sinewave Output Waveform.
- ▶ In-Built Bypass Switch.


- ▶ 5 Stage Battery Charging for Fast Charging in less time.
- ▶ Mains Input Voltage Range Selection / Charging Current Selection andq Battery Float Charging Voltage Selection Switches.




TECHNICAL SPECIFICATIONS

SMART HYBRID TRUE SINEWAVE UPS				
Product	875/12V SW	1075/12V SW	1275/12V SW	1875/24V SW
Input Voltage	Inv. Mode: 90V-300V UPS Mode: 180V-260V			
Output Voltage	Mains Mode: Same as Input / 210V ± 10%			
Output Frequency	UPS Mode: 50Hz ± 0.1Hz			
Switching	Automatic (from Mains to UPS & UPS to Mains)			
Output Waveform	Mains Mode: Same as Input / UPS Mode: TRUE SINEWAVE			
Battery Charging Current	Constant Charging approx. 10% of the rated Battery Current in AH			
Charger	Power Factor Controlled Boost Technology			
Efficiency	> 80%			
UPS Overload	110%			
UPS Short Circuit	300%			
UPS Transfer Time	≤ 15msec.			
Browns Out Mains Vol.	100 ± 40V			
Technology	Micro Controller Based Intelligent Control Design			
Auto Reset Feature	Yes			
Operating Temp.	0°C ~ 45°C			


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




IN-BUILT BYPASS SWITCH
Enables to Isolate the UPS from Mains, whenever needed




IBGM
Intelli Battery Gravity Management for Longer Battery Life and Fast Charging




UNIQUE ULTRA SONIC SWITCHING
For Noiseless Performance




HIGH & STANDARD CHARGING OPTION
For Quick Battery Charging




UPS & INVERTER MODE
For Running IT & Home Load




COMPATIBLE WITH ALL BATTERY TYPES
Tubular, Local & Flat Plate




FAN/LIGHT



LED TV



LAPTOP



WIFI-ROUTER



imerlyn
INTELLIGENT PREMIUM SERIES



THE PREMIUM INTELLIGENT UPS

- ▶ Designed using latest state-of-the-art Technology for Optimum and Reliable Performance.
- ▶ Micro Controller based Intelligent Control Design.
- ▶ Pure Sinewave Output Waveform.

- ▶ Designed using latest state-of-the-art Technology for Optimum and Reliable Performance.
- ▶ Micro Controller based Intelligent Control Design.
- ▶ Pure Sinewave Output Waveform.



TECHNICAL SPECIFICATIONS

ADVANCED DIGITAL MODELS		PURE SINEWAVE MODELS	
Input Voltage	Inv. Mode: 90V-300V UPS Mode: 180V-260V	Input Voltage	Inv. Mode: 90V-300V UPS Mode: 180V-260V
Output Voltage	Mains Mode: Same as Input UPS Mode: 200V ~ 230V ± 10%	Output Voltage	Mains Mode: Same as Input UPS Mode: 210V ± 10%
Output Frequency	UPS Mode: 50Hz ± 0.1Hz	Output Frequency	UPS Mode: 50Hz ± 0.1Hz
Switching	Automatic (from Mains to UPS & UPS to Mains)	Switching	Automatic (from Mains to UPS & UPS to Mains)
Output Waveform	Mains Mode: Same as Input UPS Mode: TPZi (Trape Zoidal Waveform)	Output Waveform	Mains Mode: Same as Input UPS Mode: PURE SINEWAVE
Battery Charging Current	Constant Charging approx. 10% of the rated Battery Current in AH	Battery Charging Current	Constant Charging approx. 10% of the rated Battery Current in AH
Charger	Constant Current, Constant Wattage	Charger	Power Factor Controlled Boost Technology
Efficiency	> 84%	Efficiency	> 80%
UPS Overload	110%	UPS Overload	110%
UPS Short Circuit	300%	UPS Short Circuit	300%
UPS Transfer Time	≤ 15msec.	UPS Transfer Time	≤ 15msec.
Browns Out Mains Voltage	100 ± 40V	Browns Out Mains Voltage	100 ± 40V
Technology	Micro Controller Based Design	Technology	Micro Controller Based Intelligent Control Design
Auto Reset Feature	Yes	Auto Reset Feature	Yes
Operating Temp.	0°C ~ 45°C	Operating Temp.	0°C ~ 45°C
Available Models	850, 12V DG / 1050, 12V DG / 1250, 12V DG / 1850, 24V DG	Available Models	850, 12V SW / 1050, 12V SW / 1250, 12V SW

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



HIGH VOLTAGE SURGE PROTECTION



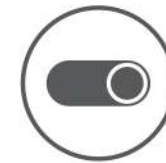
RE-SETTABLE CIRCUIT BREAKER



HIGH PEAK CURRENT HANDLING & THERMAL PROTECTION



HIGH & STANDARD CHARGING OPTION FOR QUICK BATTERY CHARGING



UPS & INVERTER MODE FOR RUNNING IT & HOME LOAD



COMPATIBLE WITH ALL BATTERY TYPES TUBULAR, LOCAL & PLATE



FAN/LIGHT



LED TV



LAPTOP



WIFI-ROUTER



ENERGY SAVER
Environment Friendly UPS Series



THE MOST ENVIRONMENT-FRIENDLY UPS

- ▶ Micro Controller based Intelligent Control Design for maximum energy efficiency.
- ▶ PWM Controlled multi-stage ATM (Auto Trickle Mode) Charging.
- ▶ Battery Slide Selection Switch for Local / Flat Plate / Tubular Batteries.

- ▶ High / Standard Charging & Mains Input Voltage Range Selection Switch.
- ▶ Smart Overload Sense and Short Circuit Protection.



ENERGY SAVING TRANSFORMER INSIDE
SAVE ENERGY | SAVE MONEY

TECHNICAL SPECIFICATIONS

ADVANCED DIGITAL MODELS		PURE SINEWAVE MODELS	
Input Voltage	Inv. Mode: 90V-300V UPS Mode: 180V-260V	Input Voltage	Inv. Mode: 100V-300V UPS Mode: 180V-260V
Output Voltage	Mains Mode: Same as Input UPS Mode: 200V ~ 230V ± 10%	Output Voltage	Mains Mode: Same as Input UPS Mode: 210V ± 10%
Output Frequency	UPS Mode: 50Hz ± 0.1Hz	Output Frequency	UPS Mode: 50Hz ± 0.1Hz
Switching	Automatic (from Mains to UPS & UPS to Mains)	Switching	Automatic (from Mains to UPS & UPS to Mains)
Output Waveform	Mains Mode: Same as Input UPS Mode: TPZi (Trape Zoidal Waveform)	Output Waveform	Mains Mode: Same as Input UPS Mode: PURE SINEWAVE
Battery Charging Current	Constant Charging approx. 10% of the rated Battery Current in AH	Battery Charging Current	Constant Charging approx. 10% of the rated Battery Current in AH
Charger	Constant Current, Constant Wattage	Charger	Power Factor Controller Boost Technology
Efficiency	> 84%	Efficiency	> 80%
UPS Overload	110%	UPS Overload	110%
UPS Short Circuit	300%	UPS Short Circuit	300%
UPS Transfer Time	≤ 15msec.	UPS Transfer Time	≤ 15msec.
Browns Out Mains Voltage	100 ± 40V	Browns Out Mains Voltage	100 ± 40V
Technology	Micro Controller Based Design	Technology	Micro Controller Based Design Intelligent Control design
Auto Reset Feature	Yes	Auto Reset Feature	Yes
Operating Temp.	0°C ~ 45°C	Operating Temp.	0°C ~ 45°C
Available Models	825, 12V DG / 1025, 12V DG / 1225, 12V DG 1825, 24V DG	Available Models	825, 12V SW / 1025, 12V SW / 1225, 12V SW 1825, 24V SW

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



INDUSTRY LOWEST WATT LOSS EI SCORE

Saves Electricity



ZERO POWER SWITCHING

Energy Saving While on Backup Mode



DIGI FUZZI LOGIC CHARGING

Energy Saving During Battery Charging



HIGH & STANDARD CHARGING OPTION

For Quick Battery Charging



UPS & INVERTER MODE

For Running IT & Home Load



COMPATIBLE WITH ALL BATTERY TYPES

Tubular, Local & Flat Plate



FAN/LIGHT



LED TV



LAPTOP



WIFI-ROUTER



SUPER POWER
High Performance UPS Series



A HIGH-PERFORMING PURE SINEWAVE UPS

- ▶ Designed using latest state-of-the-art Technology for Better Performance & High Reliability.
- ▶ Micro Controller based
- ▶ Intelligent Control Design.

- ▶ CCCV Technology with Auto Trickle Mode.
- ▶ Smart Overload Sense and Short Circuit Protection.
- ▶ Battery State Monitoring.
- ▶ Mains Input Voltage Range Slide Selection Switch.



SUPER TECHNOLOGY



SUPER LONGER BACKUP



SUPER LONGER BATTERY LIFE

TECHNICAL SPECIFICATIONS

ADVANCED DIGITAL MODELS	
Input Voltage	Inv. Mode: 90V-300V UPS Mode: 180V-260V
Output Voltage	Mains Mode: Same as Input UPS Mode: 200V ~ 230V ± 10%
Output Frequency	UPS Mode: 50Hz ± 0.1Hz
Switching	Automatic (from Mains to UPS & UPS to Mains)
Output Waveform	Mains Mode: Same as Input UPS Mode: TPZI (Trape Zoidal Waveform)
Battery Charging	Constant Charging approx. 10% of the rated
Current	Battery Current in AH
Charger	Constant Current, Constant Wattage
Efficiency	> 84%
UPS Overload	110%
UPS Short Circuit	300%
UPS Transfer Time	≤ 15msec.
Browns Out	
Mains Voltage	100 ± 40V
Technology	Micro Controller Based Design
Auto Reset	
Feature	Yes
Operating Temp.	0°C ~ 45°C
Available Models	700, 12V DG / 800, 12V DG / 900, 12V DG / 1000, 12V DG, 1100, 12V DG / 1200, 12V DG / 1700, 24V DG

ADVANCED DIGITAL MODELS	
Input Voltage	Inv. Mode: 100V-300V UPS Mode: 180V-260V
Output Voltage	Mains Mode: Same as Input UPS Mode: 200V ~ 230V ± 10%
Output Frequency	UPS Mode: 50Hz ± 0.1Hz
Switching	Automatic (from Mains to UPS & UPS to Mains)
Output Waveform	Mains Mode: Same as Input UPS Mode: PURE SINEWAVE
Battery Charging	Constant Charging approx. 10% of the rated
Current	Battery Current in AH
Charger	Power Factor Controlled Boost Technology
Efficiency	> 80%
UPS Overload	110%
UPS Short Circuit	300%
UPS Transfer Time	≤ 15msec.
Browns Out	
Mains Voltage	100 ± 40V
Technology	Micro Controller Based Design
Auto Reset	
Feature	Yes
Operating Temp.	0°C ~ 45°C
Available Models	700, 12V SW / 800, 12V SW / 900, 12V SW / 1000, 12V SW 1100, 12V SW / 1200, 12V SW / 1700, 24V SW

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



LOW WATT EI SCORE TRANSFORMER
High Performance



DURA RETAIN TECHNOLOGY
Longer Backup



CONSTANT CONTINUOUS REGULATED CHARGING
Faster Charging and More Battery Life



INTELLICHARGE PULSE TECHNOLOGY
Faster Charging and More Battery Life



RESETTABLE CIRCUIT BREAKER
Total Safety of connected Appliances



COMPATIBLE WITH ALL BATTERY TYPES
Tubular, Local & Flat Plate



FAN/LIGHT



LED TV



LAPTOP



WIFI-ROUTER



JUMBO UPS
HIGH CAPACITY SERIES



A HIGH-PERFORMING HOME UPS

STATIC UPS WITH LCD DISPLAY & INBUILT TDR

- ▶ 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.



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)
Recommended Load Applications: 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



JUMBO UPS
HIGH CAPACITY SERIES



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 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. 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.	
Recommended Load Applications: 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



AIO
TROLLEY



THE PERFECT BLEND OF ELEGANCE & DURABILITY

-  STRONG WHEELBASE FOR EASY MOVEMENT
-  XTRA STRONG
-  ULTRA DURABLE LONG LIFE
-  CONVENIENT TO USE
-  STRONG WHEELS FOR EASY MOBILITY
-  GOOD VENTILATION FOR BATTERIES
-  OPEN BACKSIDE FOR EASE IN WATER TOPPING

SINGLE BATTERY | DOUBLE BATTERY |
JUMBO BATTERY | FLAT PLATE BATTERY | TALL TUBULAR BATTERY

POWER DUO FOR A BRIGHTER TOMORROW