power-one UPS



power-one
MICRO SYSTEMS PVT. LTD.

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MAKE IN INDIA

/poweroneups

REGIONAL OFFICES:

- KOLKATTA - 9831202198
- RANCHI - 9835152630
- MUMBAI - 9766591787
- HYDERABAD - 9849638833
- NEW DELHI - 8527298890
- PATNA - 9835152630
- INDORE - 9424010634
- AHMEDABAD - 9426516831
- CHENNAI - 9840275766
- TRIVANDRUM - 9745888724
- VISAKHAPATTANAM - 9010116615
- KOCHI - 9447033724

SERVICE CENTRES AT:

SOUTH: MYSORE, MANGALORE, MANIPAL, HUBLI, BELGAUM, GULBERGA, BELLARY, SHIMOGA, KARWAR, BIJAPUR, VISHAKAPATTANAM, VIJAYAWADA, RAJMUNDRY, NELLORE, TIRUPATI, QUILON, KOTTAYAM, CALICUT, PALAKKAD, PONDICHERRY, TRICHY, MADURAI, COIMBATORE

NORTH: JAMMU, SRINAGAR, CHANDIGARH, KANPUR, LUCKNOW, ALLAHABAD INDORE, BHOPAL, JAIPUR, DEHRADUN, BARELI

EAST: BHUBANESWAR, GAUHATI, JAMSHEDPUR, SILIGURI, GANGTOK

WEST: SURAT, BARODA, NAGPUR, NASIK, GOA

M-460210TL

GOVT. OF INDIA NATIONAL AWARD -2017 FOR MANUFACTURING OUTSTANDING QUALITY UPS SYSTEMS

WINNER

power-one UPS

THE one ANSWER TO ALL YOUR POWER NEEDS.

UHF DIGITAL SERIES

1kVA 36 VDC
2kVA 3kVA 72/96 VDC
5kVA 6kVA 10kVA 192/240 VDC

UNINTERRRUPTIBLE
POWER SUPPLY SYSTEMS

1:1 **3:1**

PF 0.8 0.9 1.0



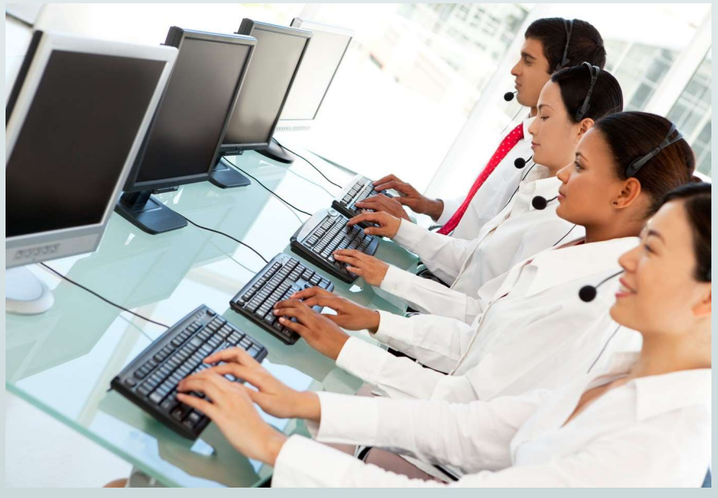
TOWER DESIGN | IGBT TECHNOLOGY | HIGHEST POWER DENSITY



The UHF Digital Series with its advanced digital technology makes a superior-performance and for lower power requirements: Small server rooms, CCTV Applications, Telecom, Testing labs, or Analytical equipment and applications of a similar power class can now profit from one of the UHF Digital Series models. With the most compact online UPS footprint available, the UHF Digital Series features true on-line double conversion. This provides a flexible output frequency and isolates the UPS from upstream disturbances so that the critical load sees only stable, well-regulated, transient-free, pure sine wave AC power with extremely tight output voltage regulation.

FEATURES

- >20KHz HIGH Frequency PWM with IGBT Design
- Wide Input Voltage Range
- High Efficiency Design
- Enhanced protection against lightening surges and line disturbances
- Can be parallable up to three times
- 3 phase and single phase versions
- Active power factor correction (APFC), Input power factor up to 0.99
- Advanced digital parallel technology Wide input voltage and frequency range
- Effective software & hardware protection function, robust self-diagnostic function & abundant event log for check
- Advanced multi-platform communications:
- RS232, RS485, USB, SNMP and multiple dry contacts.



UHF DIGITAL SERIES USED IN DIFFERENT INDUSTRIES:

- **SPECIAL PURPOSE MACHINES**
- **DEFENCE EQUIPMENTS**
- **METRO EQUIPMENTS**
- **CORPORATES AND TECH PARKS**
- **SCHOOLS AND COLLEGES**
- **MEDICAL EQUIPMENTS**
- **COMPUTER WORK STATIONS DATA CENTRES**
- **TELECOM AND CELLULAR EQUIPMENTS**
- **BANKS, HOSPITALS, FUEL STATIONS, INDUSTRIES**

Capacity in VA	1 kVA	2 kVA	3 kVA	5 kVA	6 kVA	10 kVA
INPUT						
Nominal Voltage	230 V			230 V / 415 V		
Voltage Range	160V - 280V / 110V - 300V at half load / 280V - 480 V					
Frequency Range	45 - 55 Hz					
Phase	Single Phase			Single or Three Phase		
Power Factor	>0.99					
DC Voltage	36 V	72 V / 96 V		196V / 240V		
OUTPUT						
Voltage	220 V / 230 V / 240 VAC					
Voltage Regulation	± 1%					
Frequency (Synchronised range)	45 Hz-55 Hz					
Frequency (Battery mode)	50 Hz ± 0.1%					
Output Wave form	Pure Sine Wave					
Harmonic distortion (THD)	<2% (Linear Load), <3% (Non-linear Loads)					
Efficiency (AC-AC)	Up to 94% Online, 98% on Eco Mode*					
Power Factor	0.8 / 0.9 / 1.0*					
Crest factor	3:1					
Battery type	Sealed Lead Acid Maintenance Free / Lead Acid Tubular / Ni-Cad / Li-ion					
Backup time	15 Min to 240 Min					
Transfer time	0 ms					
Over load	150% for 1 Min. 120% for 10 mins					
GENERAL						
Operating temperature	0 to 50° C, RH 90%					
Noise level	<50 dB @ 1 meter					
Indications	Mains ON, Inverter ON/Faulty, Battery Level, Static Bypass ON, Load Level					
Display	LCD for Input Voltage, Output Voltage, DC Voltage, Load % and Frequency					
Audible Alarm	Mains Failure, Low Battery, Overload					
Isolation	Inbuilt Galvanic Isolation Transformers (Optional)					
Protection	Advanced Electronic protection for device safety backed with MCB's / MCCB's, Fast acting fuses for all parameter's					
Bypass	Static Bypass					
COMMUNICATION INTERFACE						
Standard	RS 232 / RS 485 Port for Software Interface					
Optional	SNMP Interface, Programmable output socket					
Parallel Redundancy	Three Times Parallable (Optional)					

REAR VIEW & DIMENSIONS

