



VSHARP POWER SYSTEMS PVT. LTD.



UPS MAUFACTURER & BATTERIES

**EVERY JOB , NO MATTER
THE SIZE AND COMPLEXITY
IS CARRIED OUT IN A
SAFE AND PROFESSIONAL MANNER.**



Welcome to VSharp

VSharp power system is one of organizations run by experts with I.I.T. / I.I.M. background and long experience in the field of power electronics. We are a leading UPS and Power Supply organization with strong presence in all over South India & Worldwide service.

Besides Sharp Power system is also a leader in following diverse areas of business:

- Manufacturing of UPS & Batteries
- Installation of UPS
- LED & Small rating UPS
- Solar system
- Industrial Solutions





Reliability is at the core of VSharp power products, which are manufactured in compliance to ISO 9001 standards and can also be made compliant with Education and medical standards.

Our reputation rests on over 25 years of proven performance in keeping with the most stringent quality standards. In these 25 years, we have developed innovative solutions that deliver continuous, reliable and pure power protection. We possess and use our strong expertise to provide you with utmost power confidence, offering you the best and most comprehensive power technology solutions for the problems faced by your business.

In the UPS and power-protection business, delivering excellent products on time is only one part. Another very important component is the quality of service-support provided to customers. This is a major strength of our organization, which is most valued by our clients.

Our range of power-protection products includes UPS Systems, power protection, inverters, voltage stabilizers, CVCF, and battery chargers.

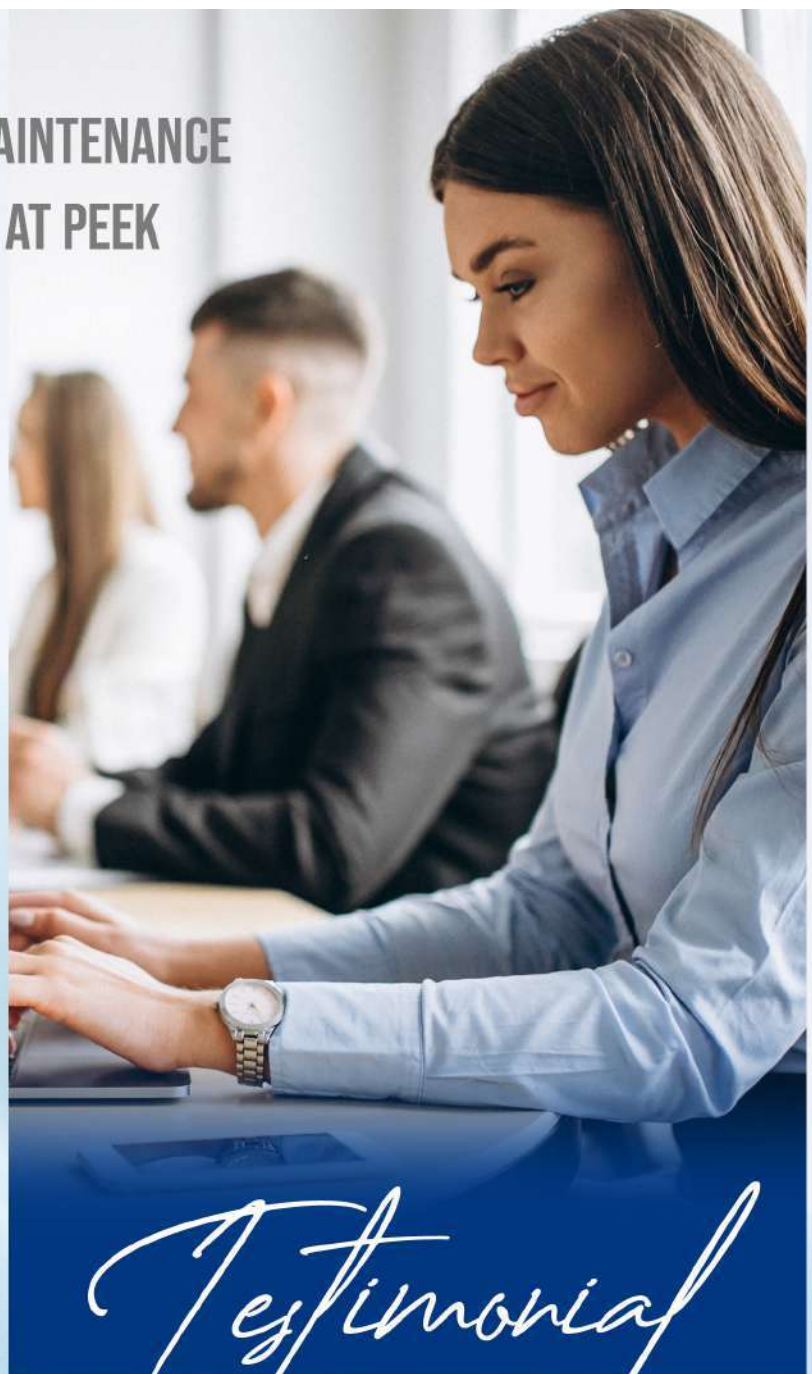
TECHNOLOGY THAT INSPIRES THE SPIRIT



**CONTINUED SUPPORT AND MAINTENANCE
ENSURES SYSTEMS OPERATE AT PEEK
OPTIMUM PERFORMANCE**

AWARDS

**ISO 9001:2008
QMS Certification.**



Educational University

Our critical IT equipment at various locations, In India, are backed up with VSharp power Systems. We are most satisfied with sharp power as a supplier and pleased with their 24X7 service support .

- Santhosh Krishnan

Industrial Battery Services

We are a large manufacturer of AC Delco Batteries in India. We installed more than 2 years ago and same has been working without a single interruption till date. We are most satisfied with the same.

- Karthikeyan Thirugnyanasambandham

An aerial night view of a city skyline, likely Dubai, with a river in the foreground. The city lights are reflected in the water, and the sky is dark. The text is overlaid on the right side of the image.

THE SAFETY OF OUR WORKFORCE IS THE MOST IMPORTANT ASPECT OF OUR BUSINESS, NO EXCEPTION

We are a part of the Sharp power system managed by Professionals with I.I.T. / I.I.M. background and a rich experience in the UPS industry for the past 15 years. We enjoy ISO 9001:2008 Certification from MARS Assessors & Registrar of Management Systems. For manufacture of UPS Systems, UPS System, Online UPS, Green UPS THD & Power factor correctors active & passive. Intelligent module, energy savers, Battery Charges, solar MPPT charges, wind power, Hybrid power solutions, solar/wind water pump Energy-Savers, Battery-Chargers, and related software.

Our Sharp Energy-Saving UPS are today used in most important applications in the I.T. Industry, Telecom, Satellite Communication, Pharma Laboratories, Online Banking, Process Automation, and Life-Saving Systems.

Some Advance Design-Features offered in the Sharp power Systems are:

1. Very Compact and small footprint
2. LCD Display giving Alpha-Numeric Status of MAINS, BATTERY & INVERTER for Power-Monitoring.
3. Microprocessor-based Design, Manufactured as per the International IEC-62040-3 (1999-03) Standards
4. High Inverter efficiency to ensure savings in power-consumption.
5. User-friendly Load Level and Battery Level Status.
6. Parallel-Redundant Load-sharing / Hot-Stand by options available.

Power-Monitoring Software for Automatic Shutdown / Auto-start scheduling, Recording of Electrical parameters and Power-History Log & Event by tracking (Optional).

REMOTE-MANAGEMENT through Internet for alarm-event messaging, broadcasting on terminals, data logging of UPS parameters and auto-shutdown of files using SNMP facility (Optional).

Advance Battery Health Information System for monitoring the health of the battery-bank

A man in a grey pinstriped suit and white shirt stands in front of a blurred cityscape. He is smiling and has his hands clasped in front of him. The background is a soft-focus view of a city with buildings and a sky.

**SMART ,SIMPLE
AND CLEAN ENERGY
SAVING SOLUTION**

Support Infrastructure

We have our own Branch Offices at important locations like

- Tamilnadu (Head Office)
- Branches in all other states

And 24 Service Centers providing 24 x 7 services support to our esteemed clients.

Product Approvals:

Our On-line UPS Systems has been tested and bench-marked by:

- ERTL (Dept. of Electronics) Tamilnadu
- ETDC (Dept. of Electronics) Tamilnadu

We request you to give us an opportunity to make a presentation of our credentials to your Management Team and establish the benefits of using our UPS systems.



Our Products



UPS | INVERTERS | STABILIZERS | BATTERIES

Special Features

UPS

- 32 bit DSP Controlled UPS
- Inbuilt Galvanic isolation
- Space vector modulation technique
- 128 X 64 Graphics display
- True RMS reading of more than 25 different parameters of UPS
- Quiet operation , Low noise
- Superior output quality
- Unique modular design, offering lowest MTTR
- Compact system, Lowest footprint to KVA ratio in its category
- High end interfacing options
- Advance thermal design and monitoring

Battery

The most renewable energy systems, battery characteristics are the battery lifetime, the depth of discharge and the maintenance requirements of the battery. This set of parameters and their inter-relationship with charging regimes, temperature Dependence, voltage, Energy Density Etc.

Efficiency Battery life:

Any type of new batteries along with our product will enhance life by 3 to 4 times above the warranty period, where a saving 200 to 300% in standards raw material used in the battery.

Technical Report:

In battery pulsar inserts in 12-volt line between a trickle type battery charger. When the transistor switches off the inductor field collapses and generates a burst ringing voltage on the order of 50 – 60 volts as high as 6 amps. The capacitor takes energy from the charger for most of its running time and discharges short high voltage pulse into the battery. This battery life enhancer is useful for all type's battery require a higher power.

Electrical pulses are injected at the frequency that is equivalent to the sulphate crystal with fast voltage rise and short duration of DC volt. Battery plates stay clean providing more power faster recharger speed and cooler charging temperature. Due to the complete absence of sulphating there is no ageing effect and this result in extraordinarily long battery life.

Online UPS 1KVA to 240KVA

Quality power Protection for the critical power requirements in industrial, IT, Commercial, Communication and Office Environment

Free Online state of art – IGBT based systems providing precise PWM sinewave output to the load with Capability to 100% non – linear load.

Wide input voltage range ensures availability of clean power to the load even under chronic battery life.

Superior rectifier – charger performance and inverter regulation capabilities UPS assures optimum battery life.

IGBT based PWM inverter delivers full rated power at temperature as high as 45 degree centigrade.

Constant current & constant Voltage technology ensures uniform charging of the battery

Generator compatibility

Reliability built in – long very MTBF

Hot stand by configuration

Compact with small foot print best suits computerized office



Over 25 Years of Experience

Throughout Tamilnadu Sharp power system provides a full array of solar photovoltaic (PV) options along with the latest inverter technology and large scale lithium battery storage solutions to solar. Whether your goal is to save money on your electric bill or simply reduce your carbon footprint, Sharp power system has a Industrial solar power solution that meets your energy-saving needs. We design and install solar panel and battery storage systems for company all over the Tamilnadu & Bangalore.

Commercial

For industrial, commercial, retail and public entities, electricity costs are among the top operational expenses and unfortunately, these cut directly into bottom line profits. Sharp power's broad experience and unique capabilities allow us to take on challenging solar PV projects in a variety of different locations and environments ranging from residential to commercial offices, retail parks, hospitals, schools, universities, government facilities and rural agribusinesses. Project sizes range from small domestic dwellings through to large scale commercial and free standing agricultural solutions. We utilities the latest CAD technology to individually craft solutions in any mix of rooftop, ground mount, single and dual-axis tracker, and/or canopy-based installations.

VSharp power system offers commercial clients programmed maintenance schedules taking the guesswork out of budgeting, scheduling and completion of routine UPS systems maintenance with our emergency response technicians available 24/7 365 days a year.

Our 24/7 services team are capable of resolving multiple electrical tasks, they have built a solid reputation within the domestic market, with customer satisfaction, guaranteed

SHARP BS100

UPS: 1KVA - 10KVA

Single Phase Input & Single Phase Output



On Line Double Conversion UPS

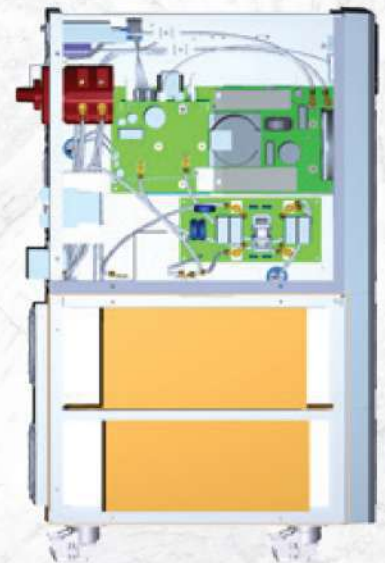
Sharp BS100 is specifically designed for operation in poor power quality areas. Finch PW provides high power density with long backup time in compact size. It's ideal for ATMs, banking and other business critical applications where a higher backup time is required. BS100 provides the flexibility to adjust charging current from 1A to 6A according to different applications and the possibility to have an additional charger to support longer backup times.

Analysis

- Online double conversion UPS
- Input power factor corrector 0.99(PFC)
- Automatic bypass, allow to transfer the load to the mains in case of overload or internal fault
- Single Phase Input & Output

Flexibility

- Configurable as Single Phase Input & Output or Three Phase Input and Single Phase output on 10KVA
- Inbuilt Isolation Transformer(optional) provides a galvanic isolation between the mains and the loads
- Hot standby Configuration to ensure the availability of Quality power to mission critical applications
- Battery cold start feature allows UPS to be powered on from the battery without utility
- Inbuilt Manual bypass in 6&10KVA to facilitate concurrent maintenance without disturbing the loads
- Compact and reduced foot print with inbuilt battery on 1 - 6KVA



SHARP BS100



UPS: 1KVA - 10KVA

Single Phase Input & Single Phase Output

General		SHARP BS100				
Configuration		Single Phase with Ground				
Capacity		1KVA	2KVA	3KVA	6KVA	10KVA
Capacity		800W	1.6KW	2.4KW	4.8KW	8KW
Input						
Nominal Voltage		200/208/220/230/240VAC				
Input Voltage Range		110-300V AC (at 50% Load) or 160-280V AC (at 100% Load)			110-300V AC (at 50% Load) or 176-300V AC (at 100% Load)	
Frequency Range		40 Hz ~ 70 Hz			46 ~ 54 Hz	
Power Factor		≥ 0.99 @ Nominal Voltage (100% Load)				
Output						
Output Voltage		200/208/220/230/240VAC				
Voltage Regulation		± 1 %				
Frequency Range (Synchronized Range)		47 ~ 53 Hz			46 ~ 54 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz			50 Hz ± 0.1 Hz	
Current Crest Ratio		3:1				
Harmonic Distortion		≤3 % THD (Linear Load) ≤6 % THD (Non-Linear Load)			≤3 % THD (Linear Load) ≤5 % THD (Non-Linear Load)	
Waveform (Batt. Mode)		Pure Sinewave				
Overload		105% - 110% : 10mins; 110% - 130% - 1 min; >130% - 3 sec				
Efficiency						
AC Mode		88%	88%	90%	92%	93%
Battery						
Built in Battery	Battery Type	12 V / 9Ah	12 V / 7 Ah	12 V / 7 Ah	12 V / 7 Ah	
	Numbers	2	8	8	16	
	Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity	
	Charging Current (max)	1A			1A / 2A	
Long-run Model	Battery Type	Depending on the capacity of external batteries				
	Numbers	3	6	6	16 or 20	
	Charging Current (max)	1A/2A/4A/6A (Adjustable)			1A/2A/4A (Adjustable, 4A is only available)	
	Additional Charger	12A	12A	12A	4A	4A
Indicators						
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators				
Physical						
Standard Model	Dimension, D x W x H(mm)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318	369 x 190 x 688	
	Net Weight (kgs)	9.8	17	27.6	61	
Long-run Model	Dimension, D x W x H(mm)	282 x 145 x 220	397 x 145 x 220		369 x 190 x 688	442 x 190 x 318
	Net Weight (kgs)	4.1	6.8	7.4	12	16
Environment						
Humidity		20-90 % RH @ 0-40°C (Non-condensing)				
Noise Level		Less than 58dB @ 1 Meter				
Management						
Smart RS-232 / USB		Support Windows®2000/2003/XP/Vista/2008, Windows®7/8, Linux and MAC				
Optional RS485		SNMP, Modbus (RS485) and Potential Free Contact				

*Specifications are subject to change

SHARP SM300

UPS - 10 KVA - 30 KVA

Three Phase Input & Single Phase Output

Three Phase Input & Three Phase Output

Online Double Conversion UPS

Sharp SM300 is a double-conversion online UPS with a output power factor 0.9 providing higher power density, delivering 12.5% more power when compared with conventional UPS (designed with output power factor of 0.8). SM300 is with DSP technology and active input power factor correction design to ensure better output voltage conditions, power quality and power performance at all times. Its dual mains inputs will secure the power reliability in areas with poor power quality.

Analysis

- Online double conversion UPS.
- Input power factor corrector
- Automatic bypass, allow to transfer the load to the mains in case of overload or internal fault
- Output Power factor of 0.8



Flexibility

- Configurable as Single Phase Input & Output or Three Phase Input and Single Phase output on 10KVA
- Hot standby configuration to ensure the availability of quality power to mission critical applications
- Battery cold start feature allows UPS to be powered on from the battery without utility
- Can be paralleled upto 3 units for capacity and / or redundancy
- Flexible / settable battery configuration

Transmission

- Digitally controlled charger
- Charging voltage and current configured by demands
- Linear derating in low voltage input reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic floating / equalizing charge control, charger dormancy control, increasing battery life by 50%

SHARP SM300

UPS - 10 KVA - 30 KVA

Three Phase Input & Single Phase Output

Three Phase Input & Three Phase Output



Design Module

- N+1, N+X redundancy level.
- Totally independent power modules to avoid any single point of failure.
- Real selective module disconnection with galvanic separation.
- Distributed parallel control

Performance

- Fast & safe maintenance based on hot-swap modules.

General	SHARP SM300				
Configuration	Three Phase Input & Three Phase Output			Three Phase Input & Single Phase Output	
Capacity	10KVA	20KVA	30KVA	10KVA	20KVA
Capacity	9KW	18KW	27KW	9KW	18KW
Input					
Nominal Voltage	3 x 400 VAC (3Ph+N)				
Input Voltage Range	190-520 VAC (3-phase) at 50% load 305-478 VAC (3-phase) at 100% load				
Frequency Range	46 ~ 54 Hz or 56 ~ 64 Hz				
Power Factor	≥ 0.99 @ 100% Load				
Output					
Output Voltage	3/400VAC (3P+N)			200/208/220/230/240VAC	
AC Voltage Regulation	± 1 %				
Frequency Range	47 ~ 53 Hz				
Frequency Range (Batt)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio	3:1(max)				
Harmonic Distortion	≤3 % THD (Linear Load) ≤6 % THD (Non-Linear Load)				
Transfer Time	Zero				
Waveform (Batt. Mode)	Pure Sinewave				
Overload	105% - 110% : 10mins; 110% - 130% - 1 min; >130% - 3 sec				
Efficiency					
AC Mode	90.5%	91.5%	92.1%	91.50%	91.50%
ECO Mode	96%			97%	
Battery					
Battery Type	SMF VRLA / Vented Battery				
Numbers	20 Nos (18 - 20 adjustable)				
Typical Recharge Time	9 hours recover to 90% capacity				
Charging Current (max)	4A	4A	12A	4A	4A
Indicators					
LCD Display	UPS status, Load level, Battery level, Input / Output voltage, Discharge timer and Fault				
Physical					
Dimension, L x W x H (mm)	592 x 250 x 826	592 x 250 x 826	815 x 250 x 826	592 x 250 x 826	592 x 250 x 826
Net Weight (kg)	38	40	64	28	40
Humidity	0-95% RH @ 0-40°C (Non-condensing)				
Noise Level	Less than 60dB @ 1 Meter				
Management					
Smart RS-232 / USB	Support Windows@2000/2003/XP/Vista/2008, Windows@7/8, Linux and MAC				
Optional RS485	SNMP, Modbus (RS485) and Potential Free Contact				

*Specifications are subject to change

MH 5000

UPS - 10 KVA - 300 KVA

Three Phase Input & Single Phase Output

Three Phase Input & Three Phase Output



MH5000 has been developed by a World Class R&D team, with over three decades of power electronics experience for the harsh power and site conditions prevalent in India and other developing countries.

MH5000 UPS is an incredible power protection system designed and manufactured in India to global IEC standards.

MH5000 Highlights

- Inbuilt Isolation Transformer
- Compatible for medical imaging equipment requiring low mains resistance
- Compatible with all types of loads including regenerative loads, lifts, escalators & lighting loads
- 1+1 parallel redundant configuration with Common battery bank
- Rectifier current limit setting for optimised upstream infrastructure
- Parallel upto 3 units for capacity or redundancy

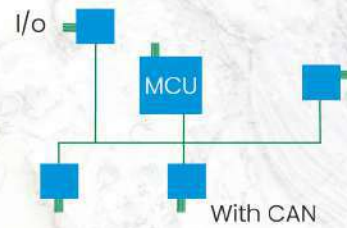
MH 5000

UPS - 10 KVA - 300 KVA

Three Phase Input & Single Phase Output

Three Phase Input & Three Phase Output

■ CANBUS Communication



Simplified CANBUS Communication Protocol

Reliability

The MH 5000 family is designed for harsh conditions seen in India, Middle East, Africa and ASEAN countries, Like high ambient temperatures, very high humidity, wide input voltage fluctuations, and operation on DG Sets during powercuts which are not seen in many parts of the world.

The MH 5000 UPS is designed for continuous operation at 40°C ambient temperature with special attention to details in component selection and design to improve reliability and life under demanding conditions. Complexity of control wiring within the UPS has been simplified using CANBUS communication protocol for higher reliability and trouble-free operations.

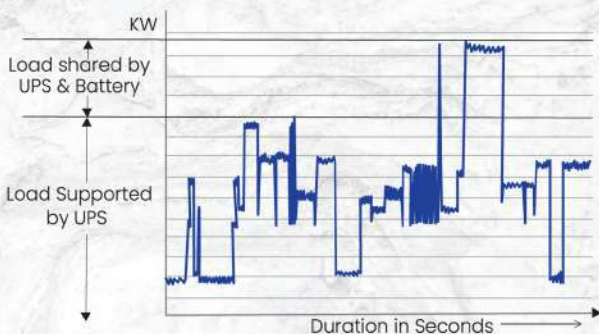
Flexibility

MH 5000 deploys a sophisticated control circuit with power walk-in function to achieve progressive rectifier start-up to avoid the impact of inrush current on the upstream breakers and to avoid the step loading on generators.

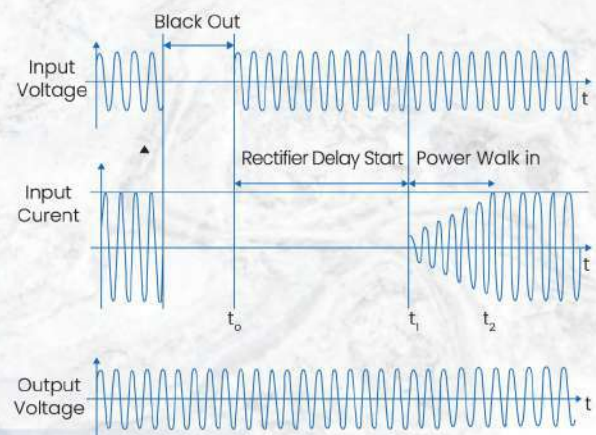
MH 5000 has also been designed with Rectifier current Limit function, taking into account the short term momentary loads which allows the system to work in parallel with the battery and to reduce the maximum demand on the mains or avoids the need to enhance the maximum demand sanctioned by the utility provider or generator.

Inbuilt isolator switches for input, output, bypass and maintenance bypass gives the flexibility to connect the cables directly on the UPS system without any external distribution panel requirement.

■ Rectifier Current Limit



■ Rectifier Delay Start



MH 5000

UPS - 10 KVA - 300 KVA

Three Phase Input & Single Phase Output

Three Phase Input & Three Phase Output

Power Capacity

An advanced PWM (Pulse Width Modulation) SVM (Space Vector Modulation) digital-control technique, to modulate the inverter, provides fast transient response with high efficiency. SVM also allows the UPS to adapt the PWM switching to different loading conditions such as: partial load, full load, linear load, non-linear load, static load, pulsating load.

MH 5000 comes in-built with Special IGBT controller for adding external breaking resistors to make the UPS compatible with regenerative loads like Metal forming and Elevators.

Friendly Installation

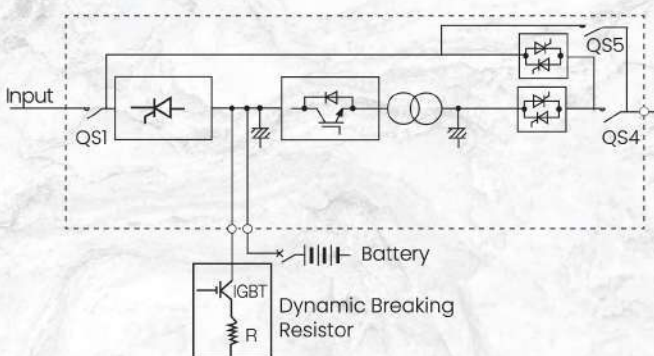
MH 5000 has a compact footprint and requires a very small for installation.

The Human Machine Interface (HMI) is intuitive and user friendly with a LCD screen and LED mimics.

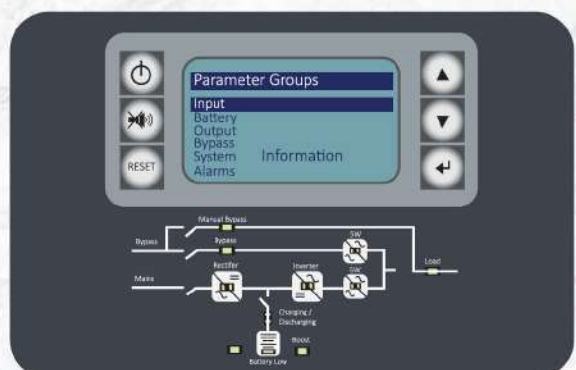
Eco Mode Efficiency

Eco Mode operations which can be enabled for energy savings (Upto 99% Efficiency). The firmware, tested to Indian power conditions monitors the quality of the input power, and enables the Eco Mode operations on bypass only when input power conditions are stable. Other wise the UPS transfers back to double conversion mode in less than Sms whereby the reliability of power is ensured to the critical load.

■ UPS with DBR



■ User-Friendly HMI



MH 5000

UPS - 10 KVA - 300 KVA

Three Phase Input & Single Phase Output

Three Phase Input & Three Phase Output

General		MH 5000														
Capacity		10KVA	20KVA	30KVA	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	250KVA	300KVA
Input																
Phase	3 Phases + Neutral + Ground															
Voltage	415AC +/-15%															
Frequency	50Hz, +/- 6%															
Output																
Voltage	230/240V Single Phase	400V/415VAC (380VAC Optional)														
Voltage Regulation																
THDu	<=2% for linear load															
Power Factor	0.6 to unity within KVA & KW rating															
Crest	3:1															
Overload Capability	(>150% for 200ms) not mentioned															
System																
System Efficiency	Online mode:upto 90%; ECO mode:upto 99%		92%	92%	92%	92%	92%	92%	92%	92%	93%					
Display	128X64 Graphics LCD & Mimic															
IP Class	IP20															
Interface	Optional: Dry Contacts, SNMP															
Operation Temperature	0~40°C															
Storage Temperature	Storage temperature 0-70°C															
Relative Humidity	0~95%(Non - Condensing)															
Noise	<= 65dBA															
Altitude of Operation	1000m; 1% derating per 100m. Max 2000M @30°C															
Isolation Transformer	Inbuilt															
Physical																
Capacity		10KVA	20KVA	30KVA	10KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	250KVA	300KVA
Dimension in mm	Width	500	500	500	500	500	500	500	600	600	600	600	1100	1200	1200	1200
	Depth	700	700	700	700	700	800	800	900	900	900	900	900	900	900	900
	Height	1010	1010	1010	1010	1010	1080	1080	1400	1400	1400	1400	1750	1850	1850	1850
Weight in Kgs		300	300	350	300	300	350	350	550	600	650	700	1250	1400	1700	1700
Colour	RAL 7016 Texture - Anthracite Grey															
Applicable Standards																
Safety	IEC 62040-1															
EMC	IEC 62040-2															
Performance	IEC 62040-3															

* Specifications are subject to change

IO 300

ACTIVE HARMONIC FILTER

60A - 800A

- Modular construction, most unique design concept
- Based on Floating point 32 bit DSP
- Selective harmonic elimination methods. CT can be connected in load as well as in source
- Works upto 690 VAC (Optional)
- Ethernet based Remote monitoring and 7 inch SVGA touch screen display
- Lower audible noise
- Compact in size
- Internal CAN communication
- Employs high speed IGBTs in power circuit
- Closed loop active filter with source current sensing
- High attenuation up to 96% of individual harmonics
- Programmable selective harmonic elimination
- PF compensation, leading as well as lagging
- Load balancing



IO 300

ACTIVE HARMONIC FILTER

60A - 800A

General	IO 300 Active Harmonic Filter							
Rating (A)	60	100	200	300	400	600	800	
Electrical Specifications								
Utility connection method	3 Phase, 4 Wire							
Utility Frequency	50 / 60 Hz, + 5%							
Utility Voltage V1	400 V AC + 10%, -15%							
Filter Current I1 (A)	60	100	200	300	400	600	800	
Utility Voltage V2	480 V AC + 10%, -15%							
Filter Current I2 (A)	50	80	165	250	330	500	700	
Utility Voltage V3	575 V AC + 10%, -15%							
Filter Current I3 (A)	40	70	140	210	280	420	620	
Parallel Combination	Maximum 4 units of same power rating							
Filter Power Loss	upto 3% of Equipment Rating							
Power Protection for Filter	MCCB and Fast Acting Semiconductor Fuses							
Cooling	Forced Air Cooling							
Cable Entry	Front Bottom							
Current Transformer Ratio,	500:5	1000:5	3000:5	5000:5	6000:5	500:5	1000:5	
Class 1 or better with 15 VA rating								
Harmonic Range	2nd to 50th order							
Harmonics Selection	Selection of any 20 Harmonics							
Harmonic Attenuation Ratio	up to 96% at rated current							
Response Time	< 10 ms							
Reactive Current Compensation	Yes							
Priority Selection	Yes (PF and harmonics)							
Load Balancing	Yes							
Filter Current Upgrading	110% at 25°C							
With Ambient Temperature	105% at 30°C							
	100% at 40°C							
	80% at 50°C							
User Interface								
Monitoring	IORAMON On Serial Port, IORAMON On Ethernet Port (Optional)							
User Parameter Settings	From The System Display or Serially Using Software							
Standard	Meets IEEE 519 for compensated Harmonics							
Environmental								
Protection Class	IP-20 (IP-31 optional)							
Operating Temperature	0 to 40°C							
Storage Temperature	0 to 70°C							
Relative Humidity	95% (Non condensing)							
Altitude	1000 m without Derating							
Color	RAL 7016, Texture Finish							
Noise Level @ 1 m (Ref :ISO 3746)	< 65 db				< 68 db			
Dimensions in mm								
Height	1000	1000	1750	1750	1750	1750	1750	Consultus
Width	620	620	800	800	800	1000	1000	Consultus
Depth	450	450	800	800	800	850	850	Consultus

*Specifications are subject to change



Tamilnadu | Kerala | Trivandrum | Bangalore | Telungana | Delhi

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