

NUMERIC

Digital HP Max Series

1 kVA - 3 kVA

**Net Ready High Performance
On-Line Double Conversion UPS Systems**

FEATURES

- Advanced DSP Controlled UPS System
 - SPWM Technology with IGBT's
 - Wide input voltage range
 - Input THDi < 5%
 - True galvanic isolation design
 - High efficiency
- Compact design to suit the interiors
- Modular design for easy maintenance
 - High MTBF and minimum MTTR
- SNMP interface - web enabled monitoring
- Full function LCD display to monitor electrical parameters
 - Compliance to International standards
 - IGBT Based rectified & Inverter



NUMERIC - No .1 UPS Manufacturer in India*

(*Source: Softdisk)



PARAMETER	1kVA / 900 Watts	2kVA / 1800 Watts	3kVA / 2400 Watts
BIS Model	HP MAX 1 KVA FM C	HP MAX 2 KVA FM C	HP MAX V 3 KVA FMI C
Input			
Voltage	230 VAC, 1 Phase		
Line Low Transfer	Based on Load percentage (0-50% : 110V / 51-100% : 160V) ± 3%Vac		
Line low comeback	Line Low Loss +10VAC (±3%)		
Line high transfer	300VAC (±3%)		
Line high comeback	290VAC (±3%)		
Frequency Range	45-55Hz / 54-66Hz (50/60 Hz Auto sensing - Programmable)		
Phase	Single Phase with ground		
Power Factor	0.99 to unity. (I/P:230V,FULL RCD LOAD)		
Output			
Voltage	220 VAC / 230 VAC / 240 VAC, 1 Phase		
Voltage Regulation	+ / - 1%		
Frequency	50/60 Hz +/- 0.2Hz		
Synchronization range	45-55Hz / 54-66Hz		
Harmonic Distortion (THDv)	≤ 3% (linear load) ≤ 5% (non-linear load)		
Output Waveform	Pure sine wave		
Crest Factor	3:1		
Inverter Efficiency (DC - AC)	> 90%		
Efficiency (AC - AC)	> 90%		
Power Factor	0.9 (0.7 to Unity within kVA / KW)		0.8 (0.7 to Unity within kVA / KW)
Overload			
	105%~110% : 10 min / 111%~130% : 1 min / 131%~150% : 10 Sec		
Battery			
Battery Type	Sealed Lead Acid Maintenance Free, Lead Acid Tubular (Battery AH and Quantity depending on backup time)		
DC Voltage	36 VDC	96 VDC	72 VDC
Charger	Built-in solid state float-cum-boost charger with automatic boost / trickle charge modes with current limiting features.		
Transfer time			
Line mode to battery mode	0 ms		
Inverter to bypass, ECO mode	<3ms		
ECO to Inverter mode	<10ms		
Features			
ECO Mode	Yes		
EPO Function	Yes		
General			
Operating Temperature	0 to 40 Deg. C		
Storage Temperature	0 to 45 Deg. C		
Humidity	upto 95 % RH Non Condensing		
Noise level	<45 dB @ 1 meter		
Display & Indication	User Friendly LCD Display		
	Input : Voltage & Frequency Battery : Voltage / Level		
	Output : Voltage, Frequency and Current / Level UPS Status : Operating Mode / Warning / Fault / Codes (faults & warnings)		
	UPS Setting : Output Voltage / Frequency / Bypass Enable / Disable		
Audible Alarm	Mains Failure, Low Battery, On Battery, Overload, Over Temp, Fault		
Protections	Advanced electronic protection for device safety backed and Fast acting fuses, High speed pulse blanking Electronic Overvoltage / Undervoltage, Over Load, Short Circuit, Over Temp, Battery Over Charge		
Bypass	Static Bypass		
Communication Interface			
Standard	RS 232 port for software interface (auto file shutdown feature)		
Optional	Interface for SNMP		
Standards			
	IEC 62040-1 Safety / IEC 62040-2 EMC		
Dimensions			
Dimensions(in mm) and Weight (Kg)	235 H x 145 W x 460 D / 7 Kg	347 H x 193 W x 465 D / 18 Kg	635 H x 223 W x 465 D / 44 Kg

As standards, specification and design change from time to time, please ask for confirmation of the information given in this publication



No. 1 Power Electronic Company of the Year*
No. 1 Online UPS Manufacturer of the Year**
o. 1 Line-Interactive UPS Manufacturer of the Year**
Best Modular UPS for the year 2015



ISO 9001 : 2008
ISO 14001 : 2004
BS OHSAS 18001 : 2007

IS 16242 (Part-1)



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