




The ultimate in clean power

A Group brand | 

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(Optional)
 - 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



NUMERIC - No.1 UPS Manufacturer in India*

(*Source: Softdisk)



TECHNICAL SPECIFICATION

NUMERIC®

Digital HP Max Series

PARAMETER	1kVA / 800 Watts	2kVA / 1600 Watts	3kVA / 2400 Watts
Input			
Voltage range	Based on load percentage (0~50%:110V / 51~100%:160V)+3%Vac		
Line low transfer	Line Low Loss + 110VAC (±3%)		
Line low comeback	300VAC (±3%)		
Line high transfer	290VAC (±3%)		
Line high comeback	45-55Hz / 54-66Hz (50/60 Hz Auto sensing)		
Frequency Range	Single Phase with ground		
Phase	0.99 to unity. (I/P:220V,FULL RCD LOAD)		
Power Factor	< 5% with full Load		
THDi			
Output			
Voltage	200VAC*/208VAC*/220 VAC / 230 VAC / 240 VAC		
Voltage Regulation	+ / - 1%		
Frequency	50/60 Hz +/- 0.2Hz		
Synchronization range	45-55Hz / 54-66Hz		
Harmonic Distortion(THDv)	≤ 3% (linear load) ≤ 5% for 100% Non - linear load		
Output Waveform	Pure sine wave		
Crest Factor	3:1		
Efficiency (AC - AC)	> 90%		
Power Factor	0.8		
Overload	105% ~ 110%: 10min / 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	
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	<4ms		
ECO to Inverter mode	<10ms		
Features			
ECO Mode	Yes		
Fan Speed Control	Yes		
EPO Function	Yes		
Frequency Converter Mode (Default)	Yes, Derating to 60% of the capacity		
Frequency Converter Mode (Optional)	Without Derating		
General			
Operating Temperature	0 to 45 Deg. C		
Noise level	<50 dB @ 1 meter		
Display & Indication	User Friendly LCD Display		
	Input : Voltage ,current & frequency Battery : Voltage / Discharge Current / Level		
	Output : Voltage ,current , frequency and Load Level in % UPS Status : Operating Mode / Warning / Fault / codes (faults & warnings)		
	Indication : in LCD Input : High / Normal / Low / Fail Battery : Low / High / Charge / Discharge / Disconnected		
	Output : Overload / Shotcircuit / Fault UPS Setting : Output Voltage / Frequency / Bypass Enable / Disable / special function: (UPS / CVCF / ECO)		
Audible Alarm	Mains Failure alarm Low Battery Alarm Overload, Fault		
Protections	Advanced electronic protection for device safety backed with MCBs and Fast acting fuses, High speed pulse blanking, Electronic overvoltage / undervoltage protection		
Bypass	Static Bypass		
Communication Interface			
Standard	RS 232 port for software interface		
Optional	USB for software interface· SNMP / RS485 / AS400 Card		
Standards			
IEC 62040-1 Safety / IEC62040-2 EMC			
Dimension(mm) & Weight(kgs)			
Floor Model without Galvanic isolation	220 H x 145 W x 400 D / 7 Kg	347 H x 192 W x 460 D / 13 Kg	347 H x 192 W x 460 D / 14 Kg
Floor Model with Galvanic isolation	505 H x 200 W x 430 D / 23 Kg	655 H x 220 W x 460 D / 39 Kg	655 H x 220 W x 460 D / 44 Kg
Rack Model without Galvanic isolation	133 H x 445 W x 450 D / 7Kg	133 H x 445 W x 450 D / 13Kg	133 H x 445 W x 450 D / 14 Kg
Rack Model with Galvanic isolation	222 H x 445 W x 450 D / 28 Kg	222 H x 445 W x 450 D / 44 Kg	222 H x 445 W x 450 D / 49 Kg

As standards, specifications and design change from time to time, please ask for confirmation of the information given in this publication.
Rack Mount UPS dimensions available on request.

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