



The ultimate in clean power

NUMERIC[®]

Digital HP E Series

Net Ready High Performance Parallel Redundant
On-Line Double Conversion UPS Systems



FEATURES

- Advanced DSP / Microprocessor Controlled
- SPWM Technology with IGBT's
- Wide Input Voltage Range
- High Input Power Factor - Input P.F \geq 0.95
- Intelligent Battery Management System (Optional)
- 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
- Parallel Redundant Configuration (N+1)
- Full Function LCD Display to Monitor Electrical Parameters
- Compliance to International standards

NUMERIC - No .1 UPS Manufacturer in India*

(*Source: Softdisk)



Technical Specifications

NUMERIC®

Digital HP E Series

UPS Rating kVA	Three Phase Input - Single Phase Output							
	30 kVA	40 kVA	50 kVA	60 kVA				
Product Identification Number (PID No.)	DHP E 30 / DHP E 30 P	DHP E 40 / DHP E 40 P	DHP E 50 / DHP E 50 P	DHP E 60 / DHP E 60 P				
Input (Rectifier)								
Rectifier input Voltage Range	400 V AC 3 Phase - 25 + 20%							
Frequency range	45 - 55 Hz							
Phase	Three Phase + Neutral + Earth (5 Wires)							
Power Factor	≥ 0.95							
Output (Inverter)								
Voltage	220 / 230 V AC							
Voltage Regulation	+/- 1%							
Frequency	Automatic synchronised tracking on utility power mode; 47 - 53 Hz, +/- 1% on battery mode							
Output Waveform	Sine Wave							
Harmonic Distortion (THD)	≤ 2% (Linear Load) / ≤ 5% (Non - Linear Load)							
Voltage Transient (Dynamic Response)	For 0-100% & 100-0% step load change the output shall remain within ± 5% & recovers to normal within 20 m sec.							
Power Factor	0.8 lag							
Crest Factor	3:1							
Efficiency (AC - AC)	≥ 90%							
Inverter Overload Capacity	125% for 10 Minutes ; 150% for 20 seconds							
Battery								
Battery Type	Sealed Maintenance Free Lead Acid, Lead Acid Tubular							
DC Voltage	192 V / 360 V	240 V / 360 V	240 V / 360 V	360 V				
Charger	Constant Voltage Constant Current Charger							
Charger (Optional)*	Intelligent MMBM Battery Management system using Multi - Model charging to enhance reliability and usage life of batteries							
Bypass	Static Bypass / Manual Maintenance Bypass							
Communication Interface								
Standard	RS 232 port for software interface							
Optional (SNMP)	SNMP network adapter interface for network management of power supply							
Optional (Remote Control -RS 485)	Independent Digital Remote Control at a distant of 1000 mts. supported by RS 485 for safe and convenient remote control							
General								
Operating Temperature	0 Deg. to 40 Deg. C							
Relative Humidity	0 ~ 95% RH, Non Condensing							
Noise Level	< 60 dB @ 1 Meter							
Indication	Mains ON / Faulty / Inverter ON / Faulty / Bypass Mode / Battery Low / No Load / System Fault							
Display	LCD Display to monitor Input Voltage, Battery Voltage, Charging Current, Discharge Current, Output Voltage, Output Frequency, Load Percentage, Bypass Voltage & Frequency							
Audible Alarm	Mains Failure Alarm, Low Battery Alarm, Overload and Over temperature							
Protection	Low Battery protection, Overload protection, Short circuit protection, Output over voltage protection							
Standards	EN 50091-1 for Safety / EN 50091-2 for EMC							
Parallel Funtion	Available							
Dimensions (in mm) and Weight (Kg)	(H x W x D)	Wt.	(H x W x D)	Wt.	(H x W x D)	Wt.	H x W x D	Wt.
360 V Dc	1180 x 400 x 800	240	1180 x 400 x 800	260	1180 x 400 x 800	280	1180 x 500 x 800	300
192 / 240 V Dc	1065 x 480 x 860	380	1460 x 790 x 890	520	1460 x 790 x 890	520	-	-

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication.

NUMERIC POWER SYSTEMS LIMITED



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Please Refer our website: www.numericups.com for list of service centres.



ISO 9001 : 2000
ISO 14001 : 2004



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