



# NUMERIC<sup>®</sup>

## Digital HPD-HR Series

800 VA - 1.4 kVA

**The Most Reliable Sinewave Inverter**

### Features

- Advanced Microprocessor based design
  - 5 Stage Constant current charger
- Fast Action AC Synchronized Transfer Switch
  - Cold Start
  - Input & Output Isolated
- Auto temperature controlled cooling fan
  - Output short circuit Protection
  - Over Temperature protection
  - Input high / Low voltage Protection
- Low battery alarm / Low battery shut-down
  - Over Load Protection
  - Compatibility with DG sets



**With 20 Amps Charging Current**

**NUMERIC - No .1 UPS Manufacturer in India\***

(\*Source: Softdisk)



# Technical Specification

# NUMERIC<sup>®</sup>

## Digital HPH HR Series

Capacity	VA/Watt	800VA / 640W	1000VA / 800W	1400VA / 1120W
Model No.		Digital HPH HR 800	Digital HPH HR 1000	Digital HPH HR 1400
Input	<b>Nominal Voltage</b>		220 / 230 / 240 Vac	
	Voltage Range	Acceptable Voltage Range	185 ~ 255V(For UPS mode) ; 120 ~ 275VAC(For Inverter mode)	
		Frequency	40Hz ~ 53Hz	
		Low Voltage Transfer	185Vac ± 2%(For UPS mode) ; 120Vac ± 2%(For Inverter mode)	
		Low Voltage Return	200Vac ± 2%(For UPS mode) ; 130Vac ± 2%(For Inverter mode)	
		High Voltage Transfer	255Vac ± 2%(For UPS mode) ; 290Vac ± 2%(For Inverter mode)	
		High Voltage Return	240Vac ± 2% (For UPS mode) ; 280Vac ± 2% (For Inverter mode)	
Output	Voltage	190V ~ 245V (Factory-settable)		
	Voltage Regulation (Bat Mode)		< 3% RMS for entire battery voltage range	
	Frequency Regulation	Line Mode	same as AC Mains Input	
		Battery Mode	50Hz ± 0.1Hz	
	Power Factor		0.8	
	Wave Form		Pure Sine Wave	
	Efficiency		>85%	
	Overload Protection	Line Mode	>200%, then Mains ON LED blink continuously	
		Battery Mode	110% ~ 150% for 10sec; >150% for 200ms, then Inverter Shuts Down	
	Short Circuit Protection	Line Mode	FUSE	
Battery Mode		Electronic Circuit		
DC Start	Cold Start	Yes		
Transfer Time	Typical	<10ms(For Home UPS mode) ; <40ms (For Inverter mode)		
Battery	Batery Voltage	12VDC	12VDC	24VDC
	Backup Time	Depends on batteries connected (Max Battery Capacity recommended up to 200Ah)		
	Recharging Current	up to 20A		
Control Panel	LCD Display	Output Volts, Mains Volts, Battery Volts, Charging Current, Discharging current, Load level, battery Level, System Mode Status(Inverter / Mains) , Battery Status& system Error Message		
	LED Display	Mains ON, Inverter ON, Charged / Charging, Battery Low / bad , DC High , Over Load, Over Temperature, Battery loose connection, Fuse Fail, Inverter Fault, Phase reversal , Short Circuit		
<b>Audible Alarm</b>		Battery High / Low/ Bad, Phase reverse, Over load, Short circuit,MCB fail , Output Bad & Over Temperature ,Battery Water Reminder for Battery protection		
		<b>Plays in different musical tones</b>		
<b>Protection Features</b>		Battery Low / High / Bad / Connection Loose/Over charge, Over load, Over Temperature, Short Circuit, Phase reverse, MCB Trip , Battery water reminder for Battery protection		
<b>Parameter Re-settable</b>		Output Voltage, Charging Current, Battery Boost Voltage		
Physical	Dimensions (W x H x D) mm	225 X 200 X 420		
	Net Weight (Kgs)	18	20.5	25.5
Environmental	Operating Temperature	0 - 40°C; 32 -104°F		
	Relative Humidity	0-95% non-condensing		
	Audible Noise	Less than 55dBA (at 1M)		

# NUMERIC POWER SYSTEMS LIMITED

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The ultimate in clean power



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No.1 On Line UPS Manufacturer  
No.1 Off Line/Line Interactive UPS Manufacturer  
\* Source - Salfidisk



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