

SYNDOME

ผู้นำด้านระบบสำรองไฟฟ้า

Superior Group

Hercules

Hercules Series

High Power Density Rack-Tower 2-IN-1
True Online Double Conversion UPS 1KVA-3KVA



Features

- DSP Control
- 0.9 Output Power Factor
- Wide Input Range
- High Efficiency Mode (ECO)
- Frequency Converter Mode
- Input THDI < 5%
- Output THDv < 2%
- Output Voltage Regulation < 1%
- Auto Self-Testing System
- Extendable Run Time
- Fan Speed Control
- Free Power Management Software
- Multiple Communication Port
- Optional SNMP & Relay Cards
- Temperature Compensation

Hercules-RT series, built for the most reliability, purity and power

Hercules Series UPS make use of the unique True Online Double Conversion circuitry to detect the electricity current and voltage output of utility power supply. The current is input via high frequency PWM to maintain uniform wave form and phase in line with the voltage, so as to attain high input power factor over to 0.99 and avoid generating comparatively significant harmonic interference on the power network.

With the use of the outstanding IGBT as the power conversion component, the operating frequency of the Inverter of UPS is capable of reaching tens of KHz, due to the high frequency operating characteristics of IGBT. Higher working efficiency of the inverter also improves the overall efficiency of UPS and higher inversion frequency reduces the noise of the inverter as well.



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SPECIFICATION

MODEL		HE-RT-1K	HE-RT-1KS	HE-RT-2K	HE-RT-2KS	HE-RT-3K	HE-RT-3KS			
CAPACITY	VA/WATT	1KVA / 900W(PF0.9)		2KVA / 1.8kW(PF0.9)		3KVA / 2.7kW(PF0.9)				
INPUT	Voltage Range	110 - 300 Vac								
	Frequency Range	50/60 Hz ±10% (selectable)								
	Phase	Single phase with ground								
	Current THDI	<5%								
	Power Factor	0.99								
	Generator Input	1.3 x UPS Rating Power								
OUTPUT	Voltage Range	208/220/230/240 Vac ± 1% (selectable)								
	Phase	Single phase with ground								
	Frequency(Synchronized Range)	50/60 Hz ± 10%								
	Frequency (Battery Mode)	50/60 Hz ± 0.1%								
	Current Crest Ratio	3:1								
	Harmonic Distortion	< 2% THD (Linear Load)								
	Protection	Short Circuit Protection								
	Output Waveform	Pure Sinewave								
	Outlet	NEMA								
	Overload Capacity	Line Mode	12s@102%-130%; 1.5s@130%-150%;100ms@>150%							
	BAT Mode									
EFFICIENCY	AC-AC mode	> 87%		> 89%		> 90%				
	Battery Mode	> 83%		> 83%		> 86%				
	Eco mode	95%								
BATTERY	Number of Batteries	3	Depending on the capacity of external batteries	4	Depending on the capacity of external batteries	6	Depending on the capacity of external batteries			
	Battery Capacity (Ahr)	12V(7/9)Ahr		12V(7/9)Ahr		12V(7/9)Ahr				
	Backup time (depend on load)	>15 min		>15 min		>15 min				
	Recharge Time (to 90%)	3 Hours		3 Hours		3 Hours				
	Charging Current (Max.)	1.5A		6.0A		1.5A		6.0A	1.5A	6.0A
	Battery Type	Sealed Leas Acid Maintenance Fee								
TRANSFER TIME	AC to DC	Zero								
INDICATOR	LCD	Input information: Voltage / Frequency , Output information: Voltage / Frequency, Load information: Load Level(%), Battery information: Voltage / Battery Level (%) UPS information: Bypass mode / Line mode / Battery mode /Fault / Warning , etc.								
AUDIBLE ALARM	Battery Mode	Sounding every 4 seconds								
	Low Battery	Sounding every second								
	Overload	Sounding twice every second								
	Fault	Continuously Sounding								
DIMENSION	W x H x D mm	438 x 86.5 x 435 (2U)				438 x 86.5 x 605(2U)				
WEIGHT	kg *(With out Battery)	16.2	8.4*	19.7	9.3*	27.8	13*			
ENVIRONMENT	Operating Environment	0 - 40° C								
	Relative Humidity	0-95% (NON-CONDENSING)								
	Noise Level	<45dB @ 1 Meter			<50dB @ 1 Meter					
INTERFACE	USB(built-in) / RS-232	Software supports Windows Family, Linux, Sun Solaris, IBM AIX, Compaq True64, SGI IRIX, FressBSD, HP-UX and MAC								
	Smart Slot (Option)	SNMP Adapter/ AS400 Relay Card / RS485 / USB								
STANDARDS	Product standard	TIS 1291 Part 1-2553 , TIS 1291 Part 2-2553 , TIS 1291 Part 3-2555 Class C1								
	IEC Standards	IEC 62040 - 1 , IEC 62040 - 2								
	QMS / EMS	Certified Quality / Environmental Management System : ISO14001 / ISO9001								



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มอก. 1291 1402 - 2553
มอก. 1291 1403 - 2555



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