

# SYNDOME

ผู้นำด้านระบบสำรองไฟฟ้า

Supreior Group

Hercules

## Hercules Series

High Power Density Rack-Tower 2-IN-1  
True On-line Double Conversion UPS 6k-10kVA



### Features

- Output Power Factor 1
- Wide Input Range
- Virtualization platform
- Inverter mode efficiency 95%
- Input THDI < 3%
- Output THDv < 5%
- Output Voltage Regulation < 1%
- Auto Self-Testing System
- Parallel Operation Up to 3 units
- Multiple Communication Ports
- 12A charger current for long backup time model

### 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 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 is capable reaching ten 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 frequency reduces the noise of the output waveform.



เบอร์. 1291 เล่ม1 - 2553  
เบอร์. 1291 เล่ม2 - 2553  
เบอร์. 1291 เล่ม3 - 2555



## SPECIFICATION

MODEL		HE-RT-6K	HE-RT-6KS	HE-RT-10K	HE-RT-10KS
CAPACITY	VA/WATT	6kVA / 6kW(PF1)		10kVA / 10kW(PF1)	
INPUT	Voltage Range	110-275 VAC ( 220V +27% -50% )			
	Frequency Range	40-70 Hz ( 50Hz ± 20% )			
	Phase	Single phase with ground			
	Current Distortion THDi	<3% @ full load			
OUTPUT	Protection	OVCD (Over Voltage Cut-off Device)			
	Voltage Range	220/230/240 VAC ± 1%			
	Phase	Single phase with ground			
	Frequency (Battery Mode)	50/60 Hz ± 0.05%			
	Current Crest Ratio	3:1			
	Voltage Distortion THDv	< 1% @ Linear Load, <5% @ Non-Linear Load			
	Protection	Short Circuit Protection			
	Output Waveform	Pure Sinewave			
	Outlet	IEC			
EFFICIENCY	Inverter Mode	> 95%			
	Battery Mode	> 92%			
	Eco mode	> 97%			
BATTERY	Number of Batteries	16-20 block	Depending on the capacity of external batteries	16-20 block	Depending on the capacity of external batteries
	Battery Capacity (Ah)	12Vx7Ah		12Vx7Ah	
	Backup time (@ full load PF1)	3.5 mins		3.5 mins	
	Recharge Time (to 90%)	3 Hours		3 Hours	
	Charging Current (Max.)	1.4A (0-2A adjustable)	12A (0-12A adjustable)	2A (0-2A adjustable)	12A (0-12A adjustable)
	Battery Type	Sealed Lead Acid Maintenance Free			
TRANSFER TIME	AC to DC	Zero			
INDICATOR	LCD	<b>Input information :</b> Voltage / Frequency , <b>Output information:</b> Voltage / Frequency, <b>Load information :</b> Watt / VA / Current / Load Level(%), <b>Battery information:</b> Voltage / Battery Level (%) <b>UPS information :</b> Temperature / Bypass mode / Line mode / Battery mode /Fault / Warning / Running Time / Event log, 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 86.2 x 573 (UPS)	438 x 86.2 x 600 (UPS)	438 x 86.2 x 573 (UPS)	438 x 86.2 x 573 (UPS)
		438 x 129 x 593 (Ext.Batt)		438 x 129 x 593 (Ext.Batt)	
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	CE	Safety (IEC/EN62040-1-1), ESD (IEC/EN61000-4-2 L4),RS (IEC/EN61000-4-3 L3),EFT (IEC/EN61000-4-4 L4), UL 1449, Surge (IEC/EN61000-4-5 L4), Conduction (IEC/EN62040-2 C3), Radiation (IEC/EN62040-2 C3), Transportation (ETS300019-2-2 Class 2.3), Protection (IP20 static)			



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เบอร์. 1291 1812 - 2553  
เบอร์. 1291 1813 - 2555



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