

## 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
- Different source for Bypass
- 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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มอก. 1291 10412 - 2553  
มอก. 1291 10413 - 2555



Syndome Electronics Industry Co.,Ltd.

66 ซอยประเวศบุรี 59 แขวง 3 ถนนพหลโยธิน แขวงจตุจักร กรุงเทพฯ 10140

Tel: (662)8726900 (auto) Fax: (662)8726909

URL: <http://www.syndome.com> Email: [public@syndome.com](mailto:public@syndome.com)

## SPECIFICATION

MODEL		HE-RT1K	HE-RT1KS	HE-RT2K	HE-RT2KS	HE-RT3K	HE-RT3KS			
<b>CAPACITY</b>	VA/WATT	1KVA / 900W(PF.9)		2KVA / 1.8kW(PF.9)		3KVA / 2.7kW(PF.9)				
<b>INPUT</b>	Voltage Range	120-276 V ac								
	Frequency Range	50/60 Hz ±10% (selectable)								
	Phase	Single phase with ground								
	Current THDI	<5%								
	Power Factor	0.99								
	Generator Input	1.5 x UPS Rating Power								
<b>OUTPUT</b>	Voltage Range	208/220/230/240 V ac ± 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									
<b>EFFICIENCY</b>	AC-AC mode	> 88%		> 89%		> 92%				
	Battery Mode	> 83%		> 83%		> 86%				
	Eco mode	95%								
<b>BATTERY</b>	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								
<b>TRANSFER TIME</b>	AC to DC	Zero								
<b>INDICATOR</b>	LCD	Input information: Voltage / Frequency , Output information: Voltage / Frequency, Load information: Watt / VA / Current / Load Level(%), Battery infomation: Voltage / Battery Level (%) UPS information: Temperature / Bypass mode / Line mode / Battery mode /Fault / Warning / Running Time / Event log, etc.								
<b>AUDIBLE ALARM</b>	Battery Mode	Sounding every 4 secods								
	Low Battery	Sounding every second								
	Overload	Sounding twice every second								
	Fault	Continuously Sounding								
<b>DIMENSION</b>	W x H x D mm	438 x 86.5 x 435 (2U)				438 x 86.5 x 605(2U)				
<b>WEIGHT</b>	kg	16.2	8.4	19.7	9.3	27.8	13			
<b>ENVIRONMENT</b>	Operating Environment	0.40° C								
	Relative Humidity	0-95% (NON-CONDENSING)								
	Noise Level	<45dB @ 1 Meter				<50dB @ 1 Meter				
<b>INTERFACE</b>	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								
<b>STANDARDS</b>	Product standard	TIS 1291 Part 1-2553 , TIS 1291 Part 2-2553 , TIS 1291 Part 3-2555 Class C1								
	QMS	Certified Quality Management System ISO9001								
	EMS	Certified Environmental Management System ISO14001								



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66 ซอยประเวศวิถี 59 แขวง 3 แขวงบรณนา เขตหลักสี่ กรุงเทพมหานคร 10140

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URL: <http://www.syndome.com> Email: [public@syndome.com](mailto:public@syndome.com)