

Hercules-RT series Superior Group



★ General ★★ Better ★★★ Unique

Performance ▶▶▶

- ★★★★ Wide Input Range 80-300 VAC
- ★★★ 1.0 Output Power Factor
- ★ Input THDI <3%
- ★ Output THDv <1% linear load
- ★ Recharge to 90% battery capacity within 4 hours

System ▶▶▶

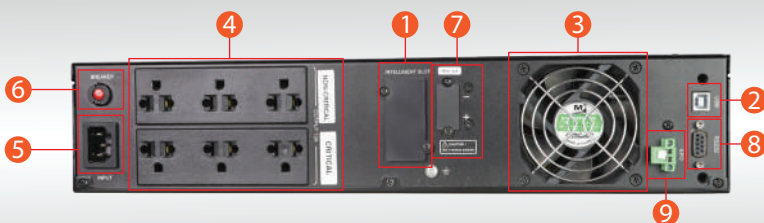
- ★ True online double conversion Topology
- ★ DSP Control
- ★ IGBT conversion component
- ★ High frequency PWM
- ★ Easy Battery Replacement

Operation mode ▶▶▶

- ★ Normal Mode : Control V./ freq. sync. to line
- ★ ECO Mode : via bypass within Programable range
- ★ Freq. Mode : Control both V. & F.
- ★ Start-able without battery (AC Start)
- ★ High Efficiency ECO Mode
- ★★★★ OVCD or Outlet Programmable Management*

User Interface ▶▶▶

- ★★★ Mimic LCD Display
- ★ Free Power Management Software
- ★ Optional SNMP & Relay Cards



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|---------------------|-----------------|--------|
| 1. Intelligent Slot | 5. Input Power | 9. EPO |
| 2. USB | 6. Breaker | |
| 3. Cooling Fan | 7. Battery Port | |
| 4. Outlet | 8. RS232 | |

*Option all Model



มอก 1291 เล่ม 1-2553
มอก 1291 เล่ม 2-2553
มอก 1291 เล่ม 3-2555



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SPECIFICATION

MODEL		HE-RT-1K	HE-RT-2K	HE-RT-3K
CAPACITY	VA/WATT	1KVA/1KW(PF1.0)	2KVA/2KW(PF1.0)	3KVA/3KW(PF1.0)
INPUT	Voltage Range	80 ~ 300V (80 V @ 0-30% Load)		
	Frequency Range	50 / 60 Hz ± 10%		
	Phase	Single phase with ground		
	Power Factor	≥ 0.99		
	Generator Input	1.5 x UPS Rating Power		
OUTPUT	Voltage Range	208 / 220 / 230 / 240 Vac ±1% (selectable)		
	Phase	Single phase with ground		
	Frequency Range	Synchronized	50 / 60 Hz ± 5%	
		Battery Mode	50 / 60 Hz ± 0.1%	
	Current Crest Ratio	3:1		
	Harmonic Distortion	<3% Linear load; <5% Non-linear load		
	Protection	Short Circuit Protection		
	Output Waveform	Pure Sine Wave		
	Outlet	6 Thai Universal		
	Overload Capacity	Line Mode	2 min @ 100%~110% ; 1 min @ >110%~130% ; 3 s @ > 130%	
		Battery Mode		
EFFICIENCY	AC Mode	89%	91%	
	Battery Mode	>85%	>88%	
	ECO Mode	97%		
BATTERY	Number of Batteries	2	4	6
	Battery Capacity	12V / (7/9)Ah		
	Backup Time	>15 Mins (depend on load)		
	Recharge Time	4 Hours (to 90%)		
	Charging Current	1.5 A (Max.)		
	Battery Type	Sealed Lead Acid Maintenance Free		
TRANSFER TIME	AC to DC	Zero		
INDICATOR	LCD	In/Out	Voltage / Frequency / Utility Present / Utility Lost	
		Load	Amp / Watt / VA / Overload / Load level / % Load	
		Battery	Voltage / Battery Level / % Battery / Remaining Time / Charging Mode	
		Mode	Operating Mode Icon / Warning / Operating-Fault-Warning Message	
		Mimic	Yes	
ALARM	Battery Mode	Sounds every 4 seconds		
	Low Battery	Sounds every second		
	Overload	Sounds twice per second		
	Fault	Continuous Sound		
DIMENSION	W x H x D (mm)	438 x 88 x 430	438 x 88 x 430	438 x 88 x 610
WEIGHT	kg (include Batt)	10.5	17.32	27.34
ENVIRONMENT	Operating Environment	0-40° C		
	Relative Humidity	0-95% (NON-CONDENSING)		
COMMUNICATION	Noise Level	<45dB @ 1 Meter	<50dB @ 1 Meter	
	USB	Yes		
	EPO	Yes		
	Smart Slot (Option)	SNMP Adapter / Relay Card / RS485		
INTERNATIONAL STANDARDS	Product standard	TIS 1291 Part 1-2553, TIS 1291 Part 2-2553, TIS 1291 Part 3-2555 Class C2		
	QMS	Certified Quality Management System ISO9001		
	EMS	Certified Environmental Management System ISO14001		

Specifications are subject to change without prior notice



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