SYNDOME
ผู้นำด้านระบบสำรองไฟฟ้า

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 ▸▸▸

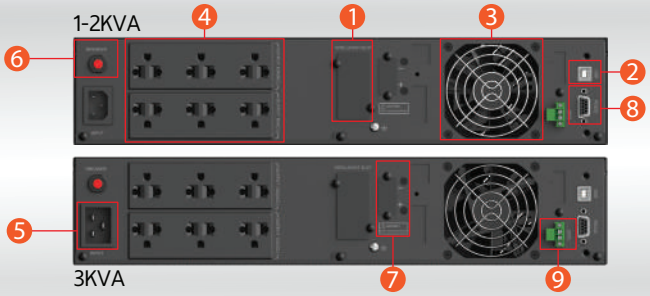
★ True online double conversion Topology
★ DSP Control
★ IGBT convertion component
★ Tens of kHz, high frequency PWM
★ Easy Battery Replacement

Operation mode ▸▸▸

★ Normal Mode : Control V./ freq. sync. to line
★ ECO Mode : via bypass within Programablerange
★ 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



*Option all Model

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

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

ISO 9001
ISO 14001
CERTIFIED

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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		40-70 Hz		
	Phase		Single phase with ground		
	Power Factor		≥ 0.99		
	Genarator Input		1.5 x UPS Rating Power		
OUTPUT	Voltage Range		208 / 220 / 230 / 240 Vac ±1% (selectable)		
	Phase		Single phase with ground		
	Frequency Range		50 / 60 Hz ± 0.5%		
	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 / Battery Mode	2 min @ 100%~110% ; 1 min @ >100%~130% ; 3 s @ > 130%		
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		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 88 x 430	438 x 88 x 430	438 x 88 x 610
WEIGHT	kg		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		
	Dry Contact		EPO, Dry in, Dry out		
	Smart Slot (Option)		SNMP Adapter / Relay Card / RS485		
INTERNATIONAL STANDARDS	Product standard		TIS 1291 Part 1-2553, TIS 1291 Part 2-2553 Class C2, TIS 1291 Part 3-2555		
	QMS		Certified Quality Management System ISO9001		
	EMS		Certified Environmental Management System ISO14001		

Specifications are subject to change without prior notice

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