



TRUE ONLINE DOUBLE CONVERSION UPS
1-3 kVA Rack type

➤ KEY FEATURES

- Output Power Factor 0.7
- ECO Mode for Energy Saving
- Generator Compatible
- HID USB Communication
- Emergency Power Off (EPO) Port
- Optional Battery Extendable
- Easy control panel
- Load segments & Programmable Output Socket
- Battery Self-Test and Alarm mute
- THDi ≤ 5%

➤ SPECIFICATION

Model Name	HE-RT-1K	HE-RT-2K	HE-RT-3K
Capacity	1000VA/700W	2000VA/1400W	3000VA/2100W
Input			
Nominal Voltage	208/220/230/240Vac		
Voltage Range	± 25 %		
Nominal Frequency	50/60Hz		
Frequency Range	± 10 %		
Power Factor	0.99		
Output			
Nominal Voltage	208/220/230/240Vac		
Voltage Regulation	± 1 %		
Nominal Output Frequency	50/60Hz		
Frequency Range (Batt. mode)	50/60Hz ± 0.1%		
Waveform	Pure Sine Wave		
Output	6 Thai Universal		
THDv	≤ 3% @ linear load, ≤5% @ non-linear load		
Current Crest Ratio	3:1		
Transfer Time	0ms		
Overload Protection	AC Mode	105%-110% Warning, transfer to bypass after 10min; 110%-130% Warning, transfer to bypass after 1min; > 130% transfer to bypass after 3s	
	Battery Mode	105%-110% Warning, shut down after 10min; 110%-130% Warning, shut down after 1min; > 130% shut down after 3s	
	Bypass Mode	110%-120% Warning, shut down after 30min; 120%-130% Warning, shut down after 10min; > 130% shut down after 1min	
Battery			
Battery Voltage	24V	48V	72V
Battery Type	Sealed Lead Acid Maintenance Free		
Total Battery Quantity	2	4	6
Recharge Time (to 90%)	4H		
Charging Current	1A		
Efficiency			
Efficiency (Inverter Mode)	88%	89%	90%
Efficiency (Batt. Mode)	83%	87%	88%
ECO Mode	96%	96%	96%
Indicators			
LCD Display	Input Voltage, Output Voltage, Input Frequency, Output Frequency, Load Level, Battery Level, Battery Low, Battery Voltage, Battery Fault, Battery Discharge Time, Overload, Output Short and Fault		
Alarm	Main fail or Battery Mode, Low Battery Voltage, Overload, Fault		
Interface			
RS232	Yes		
HID Compliant USB Port	Yes		
EPO	Yes		
SNMP CARD	Yes		
Management			
Auto Recharge	Yes		
Auto Restart	Yes		
Power Management Software	Windows OS, Linux and MAC		
Physical			
Dimension(W x H x D)(mm)	438 x 88 x 430 (2U)	438 x 88 x 430 (2U)	438 x 88 x 610 (2U)
Net Weight (kgs)	10.42	17.15	27.6
Environment			
Operating Humidity	0-90% non-condensing		
Operating Temperature	0-40°C		
Noise Level	< 50dB		
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		



พ.จ. 1291 เล่ม 1 - 2553
พ.จ. 1291 เล่ม 2 - 2553
พ.จ. 1291 เล่ม 3 - 2555



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