



- Rackmount Design for Rack Cabinet Applications
- High Frequency On-line Double-conversion Tech.
- Comprehensive Display for Easy monitoring & UPS Status
- ECO Mode for Energy Saving (Only for 1-3kVA Models)
- Generator compatible



PLUG & PLAY



USB



LCD DISPLAY

EVT-RM-P SERIES

RACKMOUNT UPS PROFESSIONAL SERIES
1KVA-2KVA-3KVA-5KVA-10KVA

MODEL	EVT- RM1KV-P	EVT- RM2KV-P	EVT- RM3KV-P	EVT- RM5KV-P	EVT- RM10KV-P
Phase	Single phase with ground				
Capacity	1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W	5000 VA / 4500 W	10000 VA / 9000 W
INPUT					
Nominal voltage	110/115/120/127VAC or 208/220/230/240VAC			208/220/230/240VAC	
Input voltage range	60-145 VAC or 120-300 VAC at 50% load, 90-145 VAC or 180-300 VAC at 100% load			110-300 VAC (Based on load at 50%), 176-300 VAC (Based on load at 100%)	
Frequency range	40Hz ~ 70 Hz				
Power factor	_ 0.99 @ Nominal Voltage (100% load)				
Bypass voltage range	- 25% ~ +15% (settable)			- 40% ~ +15% (settable)	
Total harmonic distortion (THDi)	≤ 6%			≤ 5%	
OUTPUT					
Voltage	110/115/120/127VAC or 208/220/230/240VAC			208/220/230/240VAC	
Voltage regulation	± 1%				
Frequency range	47~ 53Hz or 57 ~ 63Hz (synchronized range)			46Hz ~ 54Hz or 56Hz ~ 64Hz (synchronized range)	
	50Hz ± 0.25Hz or 60Hz ± 0.3Hz (battery mode)			50Hz ± 0.1Hz or 60Hz ± 0.1Hz (battery mode)	
Waveform (Batt. Mode)	Pure Sinewave				
Power factor	0.8			0.9	
Total harmonic distortion (THDv)	≤ 3 % THD (Linear Load), ≤ 5 % THD (Non-linear Load)			≤ 3 % THD (Linear Load), ≤ 4 % THD (Non-linear Load)	
Crest factor	3:1				
Overload	Sounding twice every second				
BATTERIES					
Battery type	Depending on the applications				
Numbers	2	4	6	16-20 (adjustable)	
Typical recharge time	4 hours recover to 90% capacity			9 hours recover to 90% capacity	
Charging current	1A/2A/4A/6A (adjustable)			1A/2A/4A/6A (adjustable, only for 6A 16 pcs batt. configuration)	
Charging voltage	27.4VDC ± 1%	82.1VDC ± 1%	109.4 VDC ± 1%	273 VDC ± 1% (according to 20 battery-powered configuration)	
EFFICIENCY					
AC mode	88%	89%	90%	92%	93%
Battery mode	87%	88%	88%	90%	91%
Transfer time AC Mode to batt. mode	Zero			0ms	
Transfer time Inverter to bypass	4 ms (Typical)			0ms	
Protections	Short-circuit, overload, overtemperature, battery discharge protection and fan testing protection			Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure	
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)			RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation / Remote monitoring panel / MODBUS (RS485 or TCP/IP) / USB Alarm Logger / (TCP/IP) / (GSM/GPRS) Modem / Comport multiplexer (optional)	
Display	LCD + LED				
On-Display Information	Input Voltage (Source & Bypass), AC-Out Voltage, Total Load, AC-Current (Input/Output/Bypass), Charge/Discharge %, Input Frequency (Source & Bypass)				
Standards	EN 62040-1, EN 62040-2, EN 61000-3-2, EN 61000-3-3, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2, IEC 62040-2, IEC 62040-1, IEC 62040-3				

OTHERS				
Operating temperature	0°C ~ 40°C			
Storage temperature	- 40°C ~ 70°C (without batteries), - 20°C ~ 40°C (with batteries)			
Relative humidity	0 ~ 95% (non-condensing)			
Altitude	≤ 1000 m, derating 1% for each additional 100 m			
IP rating	IP 20			
Noise level at 1m	< 50dBA		< 55dBA	< 58dBA
Dimensions (H×W×D) (mm)	Rackmount 88(2U)x438x310	Rackmount 88(2U)x438x410		Rackmount 88(2U)x438x530
Net weight (kg)	9	12	14	15
MANAGEMENT				
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7/8/above, Linux, Unix, and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

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