

VPM RM

1kVA~6kVA

Double conversion on-line system

True on-line double conversion design
Fully digitized microprocessor control
Input power factor correction (PFC)
Pure sinewave output with less than 3% THD
On-line output voltage selection
Auto self-testing system while turning on the UPS
Cold Start function (DC Power On)
Lightning and surge protection
Network/Tel/Fax/Modem surge suppression
Advanced Battery Management (ABM Technology)
Automatic diagnostics & battery check
Power status LED display
Smart RS-232, USB, SNMP and AS-400 card
Software monitoring and control
Scheduled shutdown & reboot



PCE[®]
UPS SYSTEMS

**YOUR ULTIMATE
POWER PROTECTION PARTNER**

Product Introduction

Today **VPM RM** is designed to provide continuous utility AC power protection for critical system installation.

With its double conversion on-line technology, it delivers the optimum level of reliability, purity and power. This ensures a pure sinewave output free of any input voltage fluctuations and disturbances. Via this technology, the **VPM RM** series is particularly suitable for use in areas where power supply is consistently in shortage.

It absolutely prevents power failures, power surges, brownouts, line noise, high voltage spikes, frequency variations, harmonic distortion and switching transients ensuring no transfer time in the event of a power failure.

Microprocessor Control

The **VPM RM** is a true double conversion & pure sinewave output on-line design. With microprocessor control, it gives the high operating reliability for the most mission-critical applications.

By means of innovative software and control programs, the complicated hardware circuitry is inlaid in the powerful microprocessor, apart from reduced size, the microprocessor also lowers the defective rate of UPS.

Auto Self-Testing System

When turning on the **VPM RM** UPS system, it immediately performs an inspection of the components such as the inverter, the battery and the load.

The system will also detect any problems in time to avoid causing any damage to the system.

User Selectable Output Voltage

The **VPM RM** Series enables users to select corresponding output voltage to the local mains power without changing hardware. Users can select output voltage by just pushing a button.

Communication Ports

The **VPM RM** Series is equipped with multiple communication ports increasing the flexibility, functionality & reliability.

It offers three different communication ports for user selection RS-232, USB card, SNMP card and AS-400 card.

Through either one of them, the user can control and monitor UPS status easily.

Power Management Software

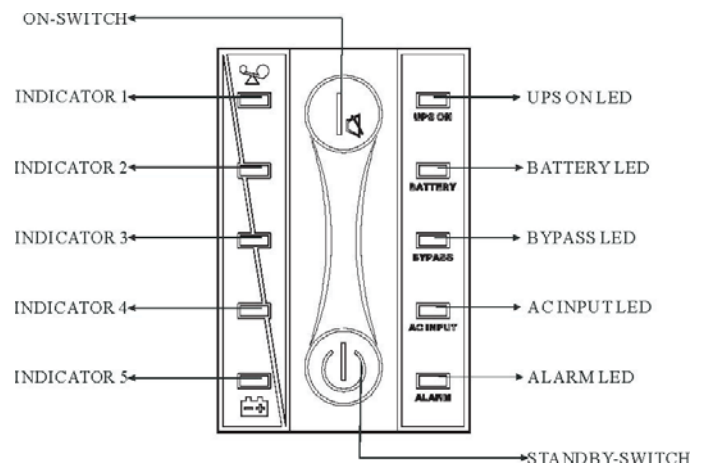
The PCE PowerTrack™ Software Suite comes included with every PCE **VPM RM** UPS.

It can perform critical power management functions such as battery control of the **VPM RM** UPS system, monitoring and managing UPS working status easily and in real time.

PCE PowerTrack™ software runs with several operating systems such as windows 98/NT/2000/XP/2003, Linux, Sun Solaris, MAC/ME.

LED display design

The **VPM RM** LED display provides user-friendly menu control indicating the status conditions of the **VPM RM** UPS and sending alarms whenever there are faults or operating problems occurring in the UPS system.



Applications

The **VPM RM** series provides a secure power infrastructure for a wide range of applications from stand-alone home PCs to office workstations, servers, network equipments and communication systems.

Model VPM RM		VPM RM 1k	VPM RM 2k	VPM RM 3K	VPM RM 6K
Power Rating	P.F=0.7	1kVA/700W	2kVA/1400W	3kVA/2100W	6kVA/4200W
Input	Voltage	220V/230V/240V, 1Ø 2Wires			
	Frequency	50/60 Hz +/-10%			
	Voltage range	120V-286V			
	Power Factor	≥98%			
	THDi	<5%			
Output	Voltage (on battery)	220V, 230V, 240V, +/-1% (selectable output voltage), 1Ø 2Wires			
	Frequency (on battery)	50/60 Hz +/-0.1%			
	Transfer Time	0 ms			
	Efficiency	>94%			
	UPS Design Technology	On-Line / Fully digitized microprocessor controlled			
	Output Wave Form	Pure Sinewave			
	Total Harmonic distortion (THD)	< 3% of T.H.D. at linear load , < 5% T.H.D. at non linear load			
	Crest Factor	3:1			
Protection	Overload Protection	125% for 10 minutes and 150% for 1 minute			
	Short Circuit Protection	UPS output cut off immediately using input fuse/circuit breaker protection			
System Display/Warning	LED indicators	On-line mode, bypass mode, back up mode, battery capacity, load level, fault			
	Audible Alarm	Beep every 4 second (Battery back up)			
	Overload Alarm	Beep twice every second			
Battery	Battery Type	Sealed, maintenance-free lead acid batteries, 3-5 years typical life time			
	Typical Recharge Time	5 hours to 90% Full			
	DC Voltage	36VDC	96VDC	240VDC	
	Management	Self-test, adjustable battery transfer points and alarm settings			
	Cold Start	YES			
	Battery Protection	Cuts off without draining any current when battery is low			
	Back up time	5 min	9 min	5 min	8 min
Communication	AS-400*, USB*, RS-232	Interface with power management software			
	SNMP*	Power Management from SNMP manager and web browser			
	Compatibility	Windows 98/NT/2000/XP/2003, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-U X and MAC/ME			
Physical	W x D x H -UPS Case	450X 482.6 X 87 mm (2U) (with battery)	450X 482.6 X 87 mm (2U)		482.6 X 600 X 132 mm (3U)
	-Battery Pack	450X 482.6 X 87 mm (2U)	450X 482.6 X 87 mm (2U)		482.6 X 600 X 132 mm (3U)
	Net Weight	15Kg(33lb)	9.6Kg(21.12lb)	10Kg(22lb)	18.3Kg(40.26lb)
	Shipping Weight	16.3Kg(35.86lb) with battery	10.3Kg(22.66lb)	11.2Kg(24.64lb)	19.1Kg(42.02lb)
	Battery Pack Weight	21Kg(46.2lb)	26Kg(57.2lb)		64.2Kg(141.24lb)
Environment	Operating Temperature	0°C ~ 40°C			
	Storage Temperature	-20°C ~ 50°C			
	Altitude	3,500 meters max			
	Audible noise	<42dBA at 1 Meter		<45dBA at 1 Meter	
Relative Humidity	20 ~ 90% humidity, non-condensing				
Standards & Certifications	Performance	EN50091-3/IEC 62040-3			
	Safety	UL 1778, CE, EN 50091-1,EN 60950 (RD/), IEC 60950			
	EMC (EMS / EMI)	IEC 61000-4-2/-3/-4/-5/-6/-8/-11, IEC 61000-3-2/-3,FCC Part 15, CISPR 22, EN 50091-2/IEC62040-2 EN 55022/B,FCC 47 part 15 - Subpart B - Class A			
	Design, production, and services	ISO 9001			
	Environment	ISO 14001 certified company			
	Marking & Certifications	CE, TUV/GS, UL, cUL, c-Tick			

*For optional features

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