

SP-RM Series

500VA~3kVA

- Line-interactive design
- Fully digitized microprocessor control
- Auto Voltage Regulation – AVR
- Pure sine wave output
- High frequency design with higher power density
- User selectable output voltage
- User selectable line sensitive
- Energy saving function (UPS sleep mode)
- Cold start function (DC power on)
- Lightning and surge protection
- Short circuit, overload and overheat protection
- Network/Tel/Modem/Fax spike protection
- EMI/RFI noise filter
- Advanced Battery Management (ABM technology)
- Hot-swappable battery replacement by users
- Automatic charge when UPS is off
- Extended backup time by adding external battery packs
- Power status LED indicators and controls
- History record of power failure events
- Smart power management software
- Scheduled shutdown and reboot
- Smart RS-232/USB/Dry contact communication port
- Optional SNMP management capability



YOUR ULTIMATE
POWER PROTECTION PARTNER

Model SP-RM Series		SP-RM 500 1U	SP-RM 750 1U	SP-RM 750	SP-RM 1000	SP-RM 1500	SP-RM 2000	SP-RM 3000	
Output power with cos φ=0.7		500VA/350W	750VA/525W	750VA/525W	1000VA/700W	1500VA/1050W	2000VA/1400W	3000VA/2100W	
Input	Voltage	220/230/240VAC							
	Nominal Input Voltage	154V ~ 288V , 1Ø2Wires							
	Frequency	50 or 60 Hz auto sensing							
	Frequency range	40-70Hz							
Output	Voltage (on battery)	Pure sinewave at 220V+/-1%, 1Ø2Wires (adjustable to 220V,230V, or 240V via software driver)							
	Frequency (on battery)	50 or 60 Hz, +/- 0.1Hz							
	Automatic voltage regulation	Booster / Fader							
Protection & Filtering	Surge protection (LV/HV)	320/230 Joules			430/250 Joules		500/640 Joules		
	Unit input	Fuse for models < 1000VA, breaker for models > 1500VA							
	EMI/RFI filter	10dB at 0.15MHz, 50dB at 30 MHz							
	Overload protection	110%(-0%,+8%) ; shutdown after after 3 minutes, 150% (-0%,+10%) ; shutdown after 10 cycles (Line mode) 110%(+/-6%) ; shutdown after after 30 seconds, 120% (+/-6%) ; shutdown after 5 cycles (Battery mode)							
	1Ø Base-T Cable port	Yes							
	Transfer time	2 milliseconds (typical), including detection timer							
	Short circuit	UPS output cut off immediately using input fuse (or breaker) protection							
	Indicators	AC mode	Line LED lighting						
Back up mode		Battery LED flashing every 4 seconds							
Load/Battery level		4 segment LED bar- 0-25%: 4th LED lighting 26-50%: 3rd and 4th LEDs lighting 51-75%: 2nd,3rd and 4th Leds lighting 76-100%: 4 LEDs in a row all lighting							
UPS fault		Fault LED lighting							
Overload		Overload LED lighting							
Low battery		Battery LED flashing every second							
Audible Alarm		Backup mode	Sounding every 4 seconds						
	Low battery	Sounding every second							
	UPS fault	Continuously sounding							
	Overload	Sounding every second							
	Battery replacement	Sounding every second							
Communication	RS-232 or USB	Detect Battery Low, schedule UPS On/Off, AC input/output power status display							
	Dry contact	Sends AC failure and battery low signal, and receives shutdown signal from computer							
	SNMP (Optional)	N/A			Monitoring capabilities in SNMP based network				
	EPO	N/A			Available				
Battery	Compatibility	Novell, Windows 95/98/ME/2000/XP/2003/Vista, Linux and Mac							
	Type	Hot swappable, sealed, maintenance-free lead acid, with 3-6 years lifetime							
	DC Voltage	12VDC	18VDC	24VDC	48VDC		96VDC		
	Typical recharge time	4 hours (up to 90% of full capacity)				3 hours (up to 90% of full capacity)			
	Protection	Automatic self-test & discharge protection, replace battery indicator							
Physical	Back up time	12-25 min							
	Input inlet	IEC 320 power inlet							
	Receptacles	IEC 320 female appliance coupler (220V) or optional country-specific receptacles							
	UPS Case	Dimensions WxDxH mm (inches)	386x325x44.4 (15.18"x12.78"x1.74")		235x383x86.2 (9.2"x15.06"x3.39")		217x413.5x86.5 (8.5"x16.26"x3.4")		438x582x86.2 (17.2"x22.89"x3.39")
		Net Weight kg (lbs)	4.7 (10.34)	8.3 (18.26)	8.6 (18.92)	9.6 (21.12)	6.5 (14.3)		31.5 (69.3)
Battery Case	Dimensions WxDxH mm (inches)	N/A				217x413.5x86.5 (8.5"x16.26"x3.4")		438x582x86.2 (17.2"x22.89"x3.39")	
	Net Weight kg (lbs)	N/A				11.5 (25.3)	12(26.4)	40.3(88.66)	
Environment	Ambient operation	3500 meters max. elevation, 0-95% humidity non-condensing, 0-40							
	Audible noise	<45dBA (1 meter from surface)							
	Altitude	15,000 meters max. elevation							
Standards & Certifications	Safety	EN 50091-1-1/EN 60950 (RD), IEC 60950, TUV GC-Mark							
	Electromagnetic compatibility	EN 50091-2, EN 50022/B, IEC 62040-2, IEC 6100-3-2, IEC 6100-3-3							
	Design, production & services	ISO 9001							
	Environment	ISO 14001 certified factory							
Marking & Certifications	CE, TUV, GC-Mark								



SP-RM 500/750 1U



SP-RM 750/1000 2U



SP-RM 1500/2000 2U

LFSPRM500-3ENQ109

