



UPS (Uninterruptible Power Supply)

CHAMP RM+

1K/ 1KL/ 2K/ 2KL/ 3K/ 3KL



The FSP Rackmount Champ RM+ UPS Series is engineered to provide dependable power protection for critical equipment in data centers, network closets, and professional environments. Featuring advanced double-conversion technology and a compact 19" rackmount design, it ensures continuous, clean power delivery with exceptional efficiency. Its intuitive LCD interface and intelligent monitoring capabilities make it easy to manage, while comprehensive safety features guarantee maximum protection for sensitive electronics.

Features

- Modern and Elegant Design
- Graphic LCD Display with LED Indicators
- User-Friendly Error Code Display
- True Double-Conversion Technology with Pure Sine Wave Output
- Output Power Factor of 1 (PF = 1)
- Eco Mode for High-Efficiency Operation (up to 98%)
- Exceptional AC Mode Efficiency (1 kVA: 94.5%, 2 kVA: 95%, 3 kVA: 95.5%)
- Intelligent Monitoring with Adjustable Charging Current via LCD
- Comprehensive FSP Safety Guard for Full Protection

Applications

- Rack-mounted servers and storage devices
- Rack-mount network switches, routers, and firewalls
- Edge computing devices
- Small telecom base stations
- Wireless access points and repeaters
- Rack-mounted AV equipment
- Streaming and recording servers
- Studio control systems
- Control panels and PLCs in compact racks



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Model Name	Champ RM+ 1K	Champ RM+ 1KL	Champ RM+ 2K	Champ RM+ 2KL	Champ RM+ 3K	Champ RM+ 3KL
Phase	Single Phase with Ground					
Capacity	1000VA/1000W		2000VA/2000W		3000VA/3000W	
Input Specification						
Rated Input Voltage	220 VAC / 230 VAC / 240 VAC 110 VAC ~ 300 VAC					
Input Operating Voltage Range	100% Load @ > 176 VAC & < 276 VAC 50% Load @ > 276 VAC & < 300 VAC 110VAC~176VAC load decrease linearly from 100%~50%					
Frequency	50 / 60 ± 5Hz (Default), ± 1Hz, ± 3Hz / ± 10Hz (Settable)					
Frequency Range	40 ~ 70 Hz					
Power Factor	≥0.99					
Output Specification						
Output Nominal Voltage	220VAC/230VAC/240VAC(PF=1), 200VAC/208VAC(PF=0.9)					
Voltage Regulation	±1%					
Rated Frequency	50 / 60 Hz					
Frequency Range	±0.1%					
Power Factor	1 (0.9 for 200 VAC & 208 VAC)					
Current Crest Factor	3:1					
Harmonic Voltage Distortion	≤ 1% THD, linear load ; ≤ 5% THD (Non-linear Load)					
Transfer Time	0ms (AC Mode to Battery Mode) ; 2ms (Inverter Mode to Bypass Mode)					
Dynamic Response	≤ 5% (0% ~ 100% ~ 0%)					
Dynamic Recovery	≤ 40ms (0% ~ 100% ~ 0%)					
Waveform	Pure Sinewave					
Overload Capacity (Inverter Mode)	102% ~ 110% for 30 minutes 110% ~ 125% for 10 minutes 125% ~ 150% for 30 seconds					
Overload Capacity (Battery Mode)	102% ~ 110% for 1 minute 110% ~ 125% for 10 seconds 125% ~ 150% for 5 seconds					
Overload Capacity (Bypass Mode)	< 130% for long term operation < 150% for 10 minutes < 180% for 5 seconds					
Efficiency @ AC Mode	94.5% @ 100% Load		95% @ 100% Load		95.5% @ 100% Load	
Efficiency @ ECO Mode	98%		98%		98%	
Efficiency @ Battery Mode	89.5% @ 100% Load		91.5% @ 100% Load		91.5% @ 100% Load	
Battery Specification						
Battery Voltage	36VDC (VRLA)	36VDC (VRLA)/48VDC (Li-ion)	72VDC (VRLA)	72VDC (VRLA)/96VDC (Li-ion)	72VDC (VRLA)	96VDC (VRLA)/96VDC (Li-ion)
Charge Current	1A	1 ~ 12A	1A	1 ~ 12A	1A	1 ~ 12A
Battery Capacity	12V / 7Ah x 3	-	12V / 7Ah x 6	-	12V / 7Ah x 6	-
System Specification						
Display	LED + LCD					
Interface (Default)	RS-232 / USB					
Interface (Optional)	RJ45 / SNMP / Dry Contacts					
Noise Level	< 43 dB @ < 60% Load < 47dB @ > 60% Load		< 50dB @ < 60% Load < 55 dB @ > 60% Load			
Operation Temperature	0 ~ 40°C					
Relative Humidity	0 ~ 95% (Non-Condensing)					
Dimension (WxDxH mm)	440 x 427 x 86	440 x 377 x 86	440 x 577 x 86	440 x 427 x 86	440 x 577 x 86	440 x 427 x 86
Net weight (KG)	12.8	5.5	21.9	7	24.9	7.3
Gross weight (KG)	15.7	8.2	25.2	9.9	28.2	10.2

Note: FSP reserves the right to modify this specification without prior notice.