



UPS (Uninterruptible Power Supply)

# CHAMP+

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

FSP Champ+ UPS Series ( $\leq 3$  kVA) is designed to deliver reliable power protection for critical equipment in homes, offices, and small-scale industrial environments. Combining advanced technology with user-friendly features, this UPS ensures uninterrupted power and optimal efficiency 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

- Home and Small Office (PC / Workstation / Routers / Modem / Entertainment Devices)
- IT and Networking (Small Server / NAS / VoIP / NVR / DVR / Network Switches)
- Telecom and Communication (Telecom Base Station / Wireless Access Points / PBX Systems)
- Retail and POS (Point-Of-Sale Terminals / Barcode scanners / Receipt Printers / Kiosks)
- Industrial and Commercial (Small Control Panels and PLCs / Security Systems)



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Model Name	Champ+ 1K	Champ+ 1KL	Champ+ 2K	Champ+ 2KL	Champ+ 3K	Champ+ 3KL
Phase	Single Phase with Ground					
Capacity	1000VA/1000W		2000VA/2000W		3000VA/3000W	
<b>Input Specification</b>						
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	50 / 60 ± 5Hz (Default), ± 3Hz / ± 10Hz (Settable)					
Power Factor	≥0.99					
<b>Output Specification</b>						
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					
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	
<b>Battery Specification</b>						
Battery Voltage	36 VDC		72 VDC		96 VDC	
Charge Current	1A	1 ~ 12A	1A	1 ~ 12A	1A	1 ~ 12A
Battery Capacity	12V / 7Ah x 3	-	12V / 7Ah x 6	-	12V / 7Ah x 8	-
<b>System Specification</b>						
Display	LED + LCD					
Interface (Default)	RS-232 / USB					
Interface (Optional)	RJ45 / SNMP / Dry Contacts					
Noise Level	< 43 dB @ < 60% Load		< 50dB @ < 60% Load			
	< 47dB @ > 60% Load		< 55 dB @ > 60% Load			
Operation Temperature	0 ~ 40°C					
Relative Humidity	0 ~ 95% (Non-Condensing)					
Dimension (WxDxH mm)	144 x 350 x 224	144 x 350 x 224	190 x 405 x 330	144 x 410 x 223	190 x 405 x 330	144 x 410 x 223
Net weight (KG)	10.3	4.3	21.1	5.8	25.5	6.2
Gross weight (KG)	11.6	5.6	23	7.1	27.5	7.5

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

**FSP TECHNOLOGY INC.**

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