

6KVA . 10KVA ONLINE RACK UPS



CHAMP RM SERIES

High Flexibiliy Online UPS Solutions

Champ Series is the high power density double-conversion online UPS with an output power factor of 0.9. It's designed in a small cabinet with a microprocessor controller.

Champ Series also has USB and RS-232 communication ports as standard, with a built-in intelligent slot for additional adapters, protocol converters, and related contact cards.



Pure sinewave



Generator
Compatible



Server room



Long
Autonomy

GENERAL FEATURES

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction ≥ 0.99
- Output power factor 0.9
- Wide input voltage (130 V - 280 V)
- Converter mode available
- Generator compatible
- Smart SNMP works well with either USB or RS-232 together display allows easy monitoring and access of UPS status
- Adjustable battery numbers 18, 19, 20 pcs.



FORTRON/SOURCE



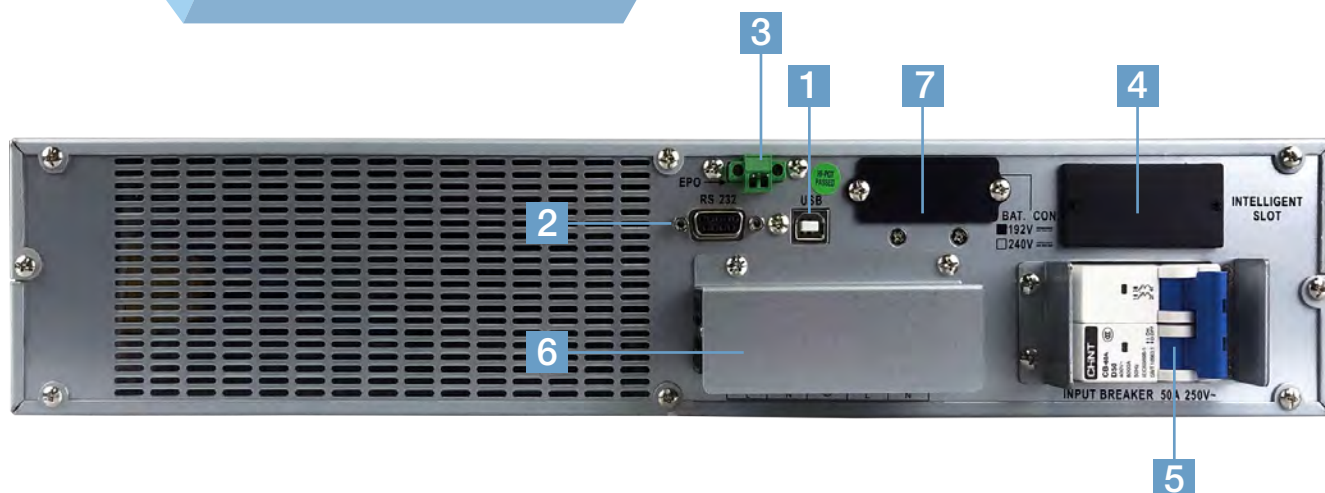
TECHNICAL SPECIFICATIONS

MODEL		Champ RM 6KL	Champ RM 10KL
PHASE		Single phase with ground	
CAPACITY		6000 VA / 5400 W	10000 VA / 9000 W
INPUT			
Nominal Voltage		208/220/230/240VAC	
Voltage Range		110-300 VAC \pm 3% at 50% Load 176-300 VAC \pm 3% at 100% Load	
Frequency Range		46~54 Hz or 56~64 Hz	
Power Factor		\geq 0.99 @ Nominal Voltage (100% Last)	
OUTPUT			
Nominal Voltage		208/220/230/240 VAC	
AC Voltage Regulation		\pm 1%	
Frequency Range(Synchronized Range)		46~54 Hz or 56~64 Hz	
Frequency Range(Batt. Mode)		50 Hz or 60Hz \pm 0.1 Hz	
Current Crest Ratio		3:1	
Harmonic Distortion		\leq 3 % THD (Linear Load), \leq 5 % THD (Non-linear Load)	
Transfer Time	AC mode to Battery mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)		Pure Sinewave	
EFFICIENCY			
Line Mode		92%	93%
Battery Mode		90%	91%
BATTERY			
Standard Model	Battery Type		
	Numbers		
	Typical Recharge Time	N/A	
	Charging Current (max.)		
Long-run Model	Charging Voltage		
	Battery Type	Depending on the capacity of external batteries	
	Numbers in string	16-20pcs (Adjustable)	
	Charging Current (max.)	1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)	
		218.4 VDC \pm 1% (Based on 16pcs batteries)	
INDICATORS			
LCD Display		Last level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators	
ALARM			
Battery Mode		Sounding every 4 seconds	
Low Battery		Sounding every second	
Overload		Sounding twice every second	
Fault		Continuously sounding	
AC INPUT & OUTPUT CONNECTORS			
AC Input Connector		Terminal block	
AC Output Connector		Terminal block	
STANDARDS			
Safety / EMC		IEC 62040-1 (safety) / IEC-62040-2 (EMC) / CE	
PHYSICAL			
Standard Model	Dimension, D x W x H(mm)	N/A	N/A
	Net Weight (kgs)	N/A	N/A
Long-run Model	Dimension, D x W x H(mm)	UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U]	580 x 438 x 133[3U]
	Net Weight (kgs)	UPS Unit: 15 Battery Pack:48	18
ENVIRONMENT			
Operation Humidity		0-95% RH @ 0-40°C (non-condensing)	
Noise Level		Less than 50 dBA @ 1 Meter	Less than 58 dBA @ 1 Meter
MANAGEMENT			
Smart RS-232 / USB		Supports Windows 2000/2003/XP/Vista/2008/7, Linux and MAC	
Optional SNMP		Power management from SNMP manager and web browser	

*1K-3K: Derate to 80% of capacity in Frequency converter mode or when the output voltage is adjusted to 208VAC.
6K/10K: Derate to 60% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 208VAC.
Product specifications are subject to change without further notice

Backup Time Table for Champ Series

		Backup Time with Load (Min)			
	Battery Bank	25%	50%	75%	100 %
Champ RM 6KL	BB-192/09RT(16pcs 9Ah)	40	15	9	6
	BB-240/10RT(20pcs 10Ah)	68	27	18	12
Champ RM 6KL	BB-192/09RT(16pcs 9Ah)	21	8	4	2
	BB-240/10RT(20pcs 10Ah)	40	16	9	6



- 1 USB interface
- 2 RS-232 interface
- 3 Emergency stop (EPO)
- 4 Intelligent slot for SNMP / AS400 / RS485-Modbus
- 5 Input protector.
- 6 Terminal cover.
- 7 External battery connector

Contents in package

- Battery cable
- Viewpower CD
- USB cable
- User Manual



Saving recharging time

Saving recharging time by adjustable current 1,2,4,6A



Easy Maintenance

External maintenance bypass to shorten maintenance time and secure operation safety.



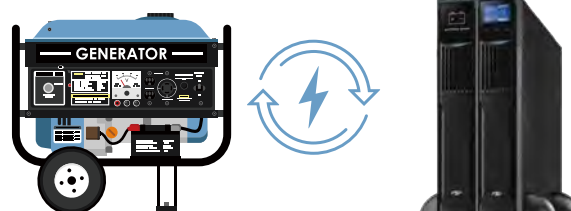
High Flexibility for Your Project Budget



Compatible with the battery up to 100Ah, maximum 6 external cabinets. Each cabinet is with adjustable 16-20pcs battery. It flexibly adapts your project budget and backup time.



Generator compatible

Connecting with generator for building emergency situation.



Battery Cabinet				
Model	P/N	Pictures	Compatible Champ RM Series Model	Battery
BB-192/09RT	MPF0011800GP		Champ RM 6KL Champ RM 10KL	Battery bank with 16 pcs 9Ah battery
BB-240/10RT	MPF0011801GP		Champ RM 6KL Champ RM 10KL	Battery bank with 18,19,20 pcs 10Ah battery. Contact FSP local authorized partner for battery adjustment

Network Management			
SNMP card SNMP box	MPF0000400GP 31-011163-07G		<ol style="list-style-type: none"> 1. Allows control and monitoring of UPS 2. Real-time dynamic graphs of UPS data 3. Warning notifications via audible alarm, broadcast, mobile messenger, e-mail
Modbus card	S98-000051-07091G		<ol style="list-style-type: none"> 1. Real-time control and monitoring of UPS 2. Supports Modbus RTU protocol 3. Provides MODBUS functions including read Holding Registers and write Registers 4. Provides surge protection
Relay card	MPF0007500GP		<ol style="list-style-type: none"> 1. The AS400 communication card provides contact closures for remote monitoring UPS. 2. To meet different application requirement, the AS400 card is capable of selection the status of the dry-contact signal (active close or active open) by setting jumper.
Environment Monitor Device	98-000069-00G		<ol style="list-style-type: none"> 1. Measure temperatures between 0 to 100°C with an accuracy of $\pm 1.5^{\circ}\text{C}$ 2. Measure relative humidity between 10 to 90% RH with an accuracy of $\pm 3\%$ Optional smoke alarm available
EPO cable	5370-1000-0011		<ol style="list-style-type: none"> 1. Cable to connect emergency power off port.
Battery cable	10-112480-00G		<ol style="list-style-type: none"> 1. Cable to connect UPS and external battery cabinet.