

## POWER ONE Rack Mount UPS

1kVA 3kVA 1:1 PF:1.0



### Performance Characteristics

- True double conversion
- Microprocessor control optimizes reliability  
DSP technology guarantees high performance
- Input power factor correction
- Output power factor
- Extremely wide input voltage window of 110 VAC to 300 VAC
- High efficiency up to 95.5%
- 50Hz/60Hz frequency converter mode
- ECO mode for energy saving
- Emergency power off (EPO) function
- Graphic LCD display with interactive multilingual user interface
- Adjustable battery numbers
- Adjustable charging current via LCD panel
- Adjustable charging mode with two stages or three stages
- Charger capacity expansion to 12A for long-run models
- Programmable output voltage
- Cold start by battery without grid input
- Smart battery charging technology for maximum durability of the battery
- Generator compatible
- Extension slot for SNMP

### Series Overview

POWER ONE rack mount type is a double conversion online UPS with output power factor 1. Designed in 2U, it adopts advanced DSP digital control technology to effectively improve product performance and system reliability. The ECO and frequency inverter operation modes highlight the requirements for a modern versatile UPS. It is widely suitable for safe supply of application-critical loads in the IT environment such as workstations, servers, storage systems and sensitive switching and control systems.

### Technical Specifications

		1KVA/1KW		2KVA/2KW		3KVA/3KW		
Capacity		1KVA/1KW		2KVA/2KW		3KVA/3KW		
Battery Voltage		36VDC	24VDC	72VDC	48VDC	96VDC	72VDC	
Size,D X W X H(mm)		440 x 420 x 88					440 x 600 x 88	
Weight(Kg)		6	9.5	6.5	17	7	21.5	
Input	Input Format	L+N+PE						
	Rated Voltage	208/220/230/240VAC						
	Voltage Range	110-300VAC						
	Frequency Range	50/60/16Hz(Default),1 10Hz(Settable)						
	Power Factor	99						
	Harmonic Distortion(THDi)	v^3 % THD (Linear Load);< 5% THD (Non-linear Load)						
Output	Output Format	L+N+PE						
	Rated Voltage	208/220/230/240VAC						
	AC Voltage Regulation	+ 0/,						
	Frequency Range	AC Mode:same as AC, Battery Mode:50/60Hz*1%						
	Harmonic Distortion(THDi)	1% THD (Linear Load);T3% THD (Non-linear Load)						
	Power Factor	1						
	Overload Capacity	AC Mode:		Battery Mode:				
		30min@102%-110% load		1min@102% 110% load				
		10min@110%-130% toad		10s@110% 130% load				
		30sp130%-150% load		3sp130%-150% load				
200ms@*150% toad		200ms@*150% toad						
Wave Form	Pure Sine Wave							
Transfer TUC	AC Ode to Battery Mode	0ms						
	Inverter to Bypass	4ms						
Efficiency	AC Mode	94.5%@220VAC			95.5%@220VAC			
	Battery Mode	88.5%	87.5%	91.5%	89.5%	91.5%	91.5%	
Battery	Battery Type	Depending on applications						
	Battery Numbers	3	12V7Ah X 2	6	12V7Ah X 4	8	12V7Ah X 6	
	Charging Current	SA(Default), 1-12A(Adjustable)	1A(Default), 1-4A(Adjustable)	5A(Default), 1-12A(Adjustable)	1A(Default), 1-4A(Adjustable)	SA(Default), 1-12A(Adjustable)	1A(Default), 1-4A(Adjustable)	
	Charging Mode	Two-stage / Three-stage charging						
Display	LCD Display	Working mode/load/input/output						
	OperationTemperature	0-40°C						
Environment	Storage Temperature	-15 60°C (Battery: 0 40°C)						
	Relative Humidity	20%/o- 9S%(No condensation)						
	Altitude	v< 1000m						
	Noise	<45d B@1 Meter						
Management	RS232/USB	Windwos 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC						
	Optional SNMP	Power management from SNMP manager and web browser						

## POWER ONE Rack Mount UPS

6kVA 10kVA 1:1 PF:1.0



### Performance Characteristics

- True double conversion
- Microprocessor control optimizes reliability
- DSP technology guarantees high performance
- Input power factor correction
- Output power factor 1
- Extremely wide input voltage window of 110 VAC to 300 VAC
- High efficiency up to 95.5%
- 50Hz/60Hz frequency converter mode
- ECO to maximize energy savings
- Emergency power off(EPO) function
- Graphic LCD display with interactive multilingual user interface
- Adjustable battery numbers
- Adjustable charging current via LCD panel
- Adjustable charging mode with two stages or three stages
- Charger capacity expansion to 12A for long-run models
- Programmable output voltage
- Cold start by battery without grid input
- Smart battery charger design to optimize battery performance
- Generator compatible
- Extension slot for SNMP
- Optional N+X parallel redundancy and performance increase

### Series Overview

POWER ONE Rack Mount UPS 6KVA/10KVA provides backup power for mission critical equipment in server rooms, data centers, and other vital equipment. It ensures a consistent flow of electricity to help prevent costly equipment failure and data loss during power failures, brownouts, or other power issues. It also provides remote power management of the UPS over the network.

### Technical Specifications

		6KVA/6KW		10KVA/10KW	
Capacity		6KVA/6KW		10KVA/10KW	
Battery Voltage		192VDC			
Size,D x W X H(mm)		440 420 X 88	UPS:440 X 420 X 88 Battery Pack: 440 X 680 X 88	440 X 420 X 88	UPS:440 X 420 X 88 Battery Pack: 440 X 680 X 88
Weight(Kg)		10	UPS:10 Battery Pack:48	11	UPS:11 Battery Pack:48
Input	Input Format	L+N+PE			
	Rated Voltage	208/220/230/240VAC			
	Voltage Range	110-300VAC			
	Frequency Range	50/60 T 6Hz(Default), 6Hz(Settable)			
	Power Factor	> 0.99			
	Harmonic Distortion(THDi)	US % THD (Linear Load);1 8% THD (Non-linear Load)			
Output	Output Format	L+N+PE			
	Rated Voltage	208/220/230/240VAC			
	AC Voltage Regulation	+ o/t			
	Frequency Range	AC Mode:same as AC, Battery Mode:50/60Hz*1%			
	Harmonic Distortion(THDi)	v< 2 % TH D (Linear Load); < 5% TH D (Non-linear Load)			
	Power Factor	1			
	Overload Capacity	AC Mode		Battery Mode	
		30min@102%-110% load		10min@102%-110% load	
		10min@110% 130% load		1min@110%-130% load	
		30s@130% 150% load		10s@130% 150% load	
500ms@>150% load		500ms@>150% load			
Wave Form	Pure Sine Wave				
Transfer Time	AT Ode to Battery Mode	Oms			
	inverter to Bypass	Oms			
EfficienCy	AC Mode	Maximum efficiency 95.5%, Full load efficiency 95%			
	Battery Mode	Maximum efficiency 95.3%, Full load efficiency 94.8%			
Battery	Battery Type	Depending on applications			
	Battery Numbers	16	12VTAh x 16	16	12VTAh X 16
	Charging Current	5A(Default), 1-12A(Adjustable)	1A(Default)	5A(Default), 1-12A(Adjustable)	1A(Default)
	Charging Mode	Two-stage / Three-stage charging			
Display	LCD Display	Working mode/load/input/output			
Environment	Operation Temperature	0 40°C			
	Storage Temperature	-15 60°C (Battery: 0 40°C)			
	Relative Humidity	20%-95%(No condensation)			
	Altitude	< 1000m			
Management	Noise	<45dB@1 Meter			
	RS232/USB	Windwos 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC			
	Optional SNMP	Power management from SNMP manager and web browser			