

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1~3kVA



3 Kinds of LCD can be selected



Colourful LCD



Blue LCD



Advanced Touch Screen



Battery Cabinet (Optional)



Optimized Battery Configuration 7/9Ah

Features

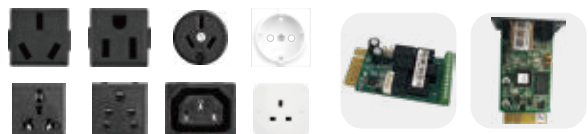
- *Rack/Tower convertible design
- *Online double conversion with full digital control
- *Wide input voltage range: 110~300Vac
- *Input power factor 0.99 with PFC
- *Selectable output voltage: 208/220/230/240Vac
- *Smart charger design for optimized battery performance
- *Maximum charging current can be expanded to 12A (Long run unit)
- *Emergency power off function (EPO)
- *ECO mode operation for energy saving
- *Generator compatible
- *Hot-Swappable battery design
- *Cold start
- *Intelligent fan speed regulation
- *Load segment settable (Optional)
- *Versatile LCD human-computer interface
- *Multiple communication interface: RS232 (USB/EPO/Dry contact card/SNMP card optional)
- *Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- *PDU with maintenance bypass switch (Optional)



Multifunctional Bracket



The LCD Panel Can be Rotated



Optional socket

Dry contact card

SNMP card

Technical Specifications

MODEL	MPST RT 1k H	MPST RT 1k S	MPST RT 1.5k H	MPST RT 1.5k S	MPST RT 2k H	MPST RT 2k S	MPST RT 3k H	MPST RT 3k S				
Capacity (VA/W)	1000/900		1500/1350		2000/1800		3000/2700					
INPUT												
Nominal Voltage (Vac)	208/220/230/240											
Operating Voltage Range (Vac)	110~300 (176~264 @ 100% load)											
Power Factor	≥0.99											
Bypass Frequency Range (Hz)	40~70 (50/60 Auto-Sensing)											
OUTPUT												
Nominal Voltage (Vac)	208/220/230/240											
Voltage Regulation	±1%											
Power Factor	0.9											
Output Frequency (Hz)	Line mode: 46~54 or 56~64; Bat. mode: (50/60±0.1%)											
Crest Factor	3:1											
Harmonic Distortion (THDv)	≤3% Linear load; ≤5% Non linear load											
Transfer Time (ms)	AC mode to Bat.mode: 0; Inverter to Bypass: 4 (Typical)											
Waveform	Pure Sinewave											
EFFICIENCY												
AC Mode	Up to 90%		Up to 90.5%		Up to 91%		Up to 92%					
ECO Mode	Up to 95%		Up to 96%		Up to 96%		Up to 97%					
BATTERY												
Battery Type	VRLA (Lead acid maintenance free battery)											
Battery Voltage (Vdc)	24	36	24	36	36	48	72	48	72	72	96	72
Battery Capacity (Ah)	S: 7/9; H: Depends on the capacity of external batteries											
Battery Quantity (pcs)	2	3	2	3	3	4	6	4	6	6	8	6
Typical Recharge Time (hours)	S: 4 (To 90% of full capacity)											
Charging Current (Max.) (A)	6/12		1		6/12		1		6/12		1	
MANAGEMENT												
LED Display	Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault											
LCD Display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature& Remaining battery backup time											
ENVIRONMENTAL												
Operating Temperature (°C)	0~40											
Storage Temperature (°C)	-25~55											
Humidity Range	20~95%RH @ 0~40°C (Non condensing)											
Altitude (m)	<1000, derating required between 1000 to 3000											
Noise Level (dB)	<50											
PHYSICAL												
Dimension WxDxH (mm)	440×325×86.5		440×460×86.5	440×600×86.5 (440×460×86.5)	440×460×86.5	440×600×86.5 (440×460×86.5)	440×460×86.5	440×600×86.5	440×600×86.5 (440×460×86.5)	440×600×86.5	440×600×86.5	
Weight (kg)	5.6	11.3	14	9.1 (8.1)	16.5	10.5 (8.6)	19.5	25	11 (8.8)	26		
STANDARDS												
Safety	IEC/EN 62040-1, IEC/EN 62477-1											
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8											

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
2. Specifications are subject to change without prior notice
3. Data above are typical values for reference only, not as a basis for engineering design

MPST BR 1-3kVA Battery Pack Specification

MODEL	MPST BR04024C	MPST BR06036C	MPST BR08048C	MPST BR12072C
BATTERY SYSTEM				
Battery Type	VRLA (Lead acid maintenance free battery)			
Typical Battery Recharge Time (hours)	6~8 (To 90% of full capacity)			
Typical Battery Life (years)	3~5, depend on discharging cycle and ambient temperature			
System Voltage (Vdc)	24	36	48	72
Charging Current (Max.) (A)	1.4			
Battery Quantity (pcs)	4	6	8	12
Capacity (Ah)	9 (7 Optional)			
PHYSICAL				
Dimension WxDxH (mm)	440×430×86.5		440×550×86.5	
Weight (kg)	17.4	22.5	31.5	44
ENVIRONMENTAL				
Operating Environment (°C)	0~40			
Humidity Range	20~95%RH @ 0~40°C (Non condensing)			
Altitude (m)	<1000, derating required between 1000 to 3000			
Noise Level (dB)	<40			
STANDARDS				
Safety	IEC/EN 62040-1, IEC/EN 62477-1			

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design