

1:1 Phase PF 0.9 (PF 0.8/1.0 optional)

Power range: 1~3kVA



3 kinds of LCD can be selected



Colourful LCD



Blue LCD



Advanced Touch Screen

## Features

- \*High power density
- \*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
- \*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



Battery Cabinet (Optional)



Optimized Battery Configuration 7/9Ah



Rear Panel



SNMP card



Dry contact card



Optional socket

## Technical Specifications

MODEL	MPST 1k H	MPST 1k S	MPST 1.5k H	MPST 1.5k S	MPST 2k H	MPST 2k S	MPST 3k H	MPST 3k S							
Capacity (VA/W)	1000/900		1500/1350		2000/1800		3000/2700								
<b>INPUT</b>															
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)														
<b>OUTPUT</b>															
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														
<b>EFFICIENCY</b>															
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%								
<b>BATTERY</b>															
Battery Type	VRLA (Lead acid maintenance free battery)														
Battery Voltage (Vdc)	24	36	24	36	36	36	48	72	48	72	72	96	72	96	
Battery Capacity (Ah)	S: 7/9; H: Depends on the capacity of external batteries														
Battery Quantity (pcs)	2	3	2	3	3	3	4	6	4	6	6	8	6	8	
Typical Recharge Time (hours)	S: 4 (To 90% of full capacity)														
Charging Current (Max.)(A)	6/12		1		6/12		1		6/12		1		6/12		1
<b>MANAGEMENT</b>															
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														
<b>ENVIRONMENTAL</b>															
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														
<b>PHYSICAL</b>															
Dimension WxDxH (mm)	144×293×209		144×399×209			191×460×337 (144×399×209)		191×460×337							
Weight (kg)	4.1	9.3	12.5	5.6	13.1	10 (5.8)	19.5 (15.4)	24.5	10	24.5	29.5				
<b>STANDARDS</b>															
Safety	IEC/EN 62040-1, IEC/EN 62477-1														
EMC	IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)														

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 BT 1-3kVA Battery Pack Specification

MODEL	MPST BT04024C	MPST BT06036C	MPST BT08048C	MPST BT12072C	MPST BT16096C
<b>BATTERY SYSTEM</b>					
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	96
Charging Current (Max.) (A)	1.4				
Battery Quantity (pcs)	4	6	8	12	16
Capacity (Ah)	9 (7 Optional)				
<b>PHYSICAL</b>					
Dimension WxDxH (mm)	144×399×209			191×460×337	
Weight (kg)	13.5	18.5	28.5	38.5	47.5
<b>ENVIRONMENTAL</b>					
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				
<b>STANDARDS</b>					
Safety	IEC/EN 62040-1, IEC/EN 62477-1				

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