

1:1 Phase PF 1.0

Power range: 6~10kVA

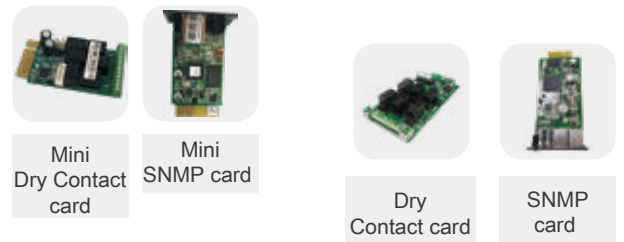


5 Kinds of LCD can be selected



## Features

- \*Lithium or VRLA battery selectable
- \*Wide input voltage range: 110~300Vac
- \*Dual input source (Optional)
- \*Generator compatible
- \*Support customized common battery banks, when UPSs are used in parallel and only for VRLA version (The battery banks should be configured with neutral line)
- \*4U Standard version is available with external battery port (Optional)
- \*Programmable receptacles
- \*The 3.5 inch touchscreen supports both lithium and VRLA battery versions, the three segment LCDs are compatible with VRLA version only
- \*Multiple communication interface: RS232/USB/RS485/EPO/
- \*PDU signal/Battery temperature signal/Battery group signal/Dual
- \*Intelligent card slot (Mini card slot optional)
- \*Maximum charging current up to 15A
- \*Cold start function (Only for VRLA battery)
- \*Dual Intelligent card slot for touch screen version (Segment LCD optional)
- \*Dry contact port optional (4 pins input and 4 pins output)
- \*Rail (Optional)
- \*PDU with maintenance bypass switch (Optional)
- \*Intelligent fan speed regulation
- \*Low noise design, less than 45dB for 6kVA
- \*Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- \*IEC62619/UL1973/UN 38.3 certified lithium battery pack



Multifunctional Bracket



The 3.5 inch touch screen LCD panel can be rotated (Touch screen is gravity sensing)

## Technical Specifications

MODEL	MPST RT Pro 6k H	MPST RT Pro 6k S	MPST RT Pro 10k H	MPST RT Pro 10k S	
Capacity (VAW)	6000/6000		10000/10000		
<b>INPUT</b>					
Nominal Voltage (Vac)	208/220/230 (Default)/240				
Operating Voltage Range (Vac)	110~300 (110~300@50% load/176~300@100% load)				
Power Factor	≥0.99				
Input Connection	HW terminal (L+N+G)				
Harmonic Distortion (THDi)	< 2%				
Bypass Voltage Range (Vac)	Max.voltage: 208/220: +25% (Optional +10%, +15%, +20%) 230: +20% (Optional +10%, +15%) 240: +15% (Optional +10%) Min.voltage: -45% (Optional -10%, -20%, -30%)				
<b>OUTPUT</b>					
Nominal Voltage (Vac)	208/220/230 (Default)/240				
Voltage regulation	±1%				
Power Factor	1.0				
Output Connection	Programmable: C19*2+C13*3; Non-programmable: HW terminal (L+N+G)				
Output Frequency (Hz)	Online mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional); Battery mode: 50/60±0.1%				
Crest Factor	3:1				
Harmonic Distortion (THDv)	<1% Linear load ; <3% Non linear load				
Transfer Time(ms)	AC mode to Bat.mode: 0; Inverter to Bypass: 0				
Waveform	Pure Sinewave				
Overload	Online mode	Load≤110%, last 60min; ≤125%, last 10min; ≤150%, last 1min; >150%, turn to bypass mode immediately			
	Battery mode	Load≤110%, last 10min; ≤125%, last 1min; ≤150%, last 10 second; >150%, 0.5 second shut down			
	Bypass mode	105%≤load≤130%, only overload alarm; ≤150%, last 10min; ≤200%, last 1min; >200%, 0.5 second shut down			
<b>EFFICIENCY</b>					
AC Mode	Up to 95%		Up to 95.5%		
ECO Mode	Up to 98.8%		Up to 99%		
<b>BATTERY</b>					
Battery Voltage (Vdc)	VRLA battery	192 (Default)/216/240	192 (7/9Ah)	192 (Default)/216/240	192 (9Ah)
	Lithium battery	192	/	192	/
Charging Current (Max.)(A)	12 (15 Optional)	1.35 Default (12, 15 Optional)		15	1.35 Default (15 Max.)
Charging current adapts to the battery type and battery capacity					
<b>MANAGEMENT</b>					
LED Display	Online mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault				
LCD Display	Input voltage, Input frequency, Input current, Output voltage, Output frequency, Output current, Load percentage, Battery voltage, Battery charging/discharging current, Ambient temperature & Remaining battery backup time				
<b>ENVIRONMENTAL</b>					
Operating Temperature (°C)	0~40				
Storage Temperature (°C)	-25~55				
Humidity Range	0~95%RH @ 0~40°C (Non condensing)				
Altitude (m)	<1000, derating required between 1000 to 3000				
Noise Level (dB)	<45		<50		
<b>PHYSICAL</b>					
Dimension WxDxH (mm)	440×621.5×86.5 (2U)	440×621.5×175 (4U)	440×621.5×86.5 (2U)	440×621.5×175 (4U)	
Weight (kg)	15	57/65	17	67	
<b>STANDARDS</b>					
Safety	EN IEC 62040-1: 2019 + A11:2021				
EMC	IEC 62040-2: 2016, EN IEC 62040-2: 2018, C2				
Performance	IEC 62040-3: 2021, EN IEC 62040-3: 2021				

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
3. \*Online mode, full load, float charging

## PDU Specification

Parallel PDU	MPST PDU10000	MPST PDU20000P
Capacity (VA/W)	10000/10000	20000/20000
Nominal Input / Output Voltage (Vac)	208~240	
Max Input Current (A)	60	120
Input Connection	Terminal (L+N+G)	
Input Protection	63A Breaker	63A Breaker×2
Output Connection	Terminal+IEC C19×4+IEC C13×6	Terminal+IEC C19×2+IEC C13×3
Output Protection	63A breaker+16A breaker×2+10A breaker×2	63A breaker×2+16A breaker+10A breaker
Maintenance Bypass Protection	63A Breaker	125A Breaker
Dimension W×D×H (mm)	440×621.5×86.5 (2U)	440×621.5×86.5 (2U)
Weight (kg)	10.5	11.5
<b>ENVIRONMENT</b>		
Operating Temperature (°C)	0~40	
Storage Temperature (°C)	-25~55	
Humidity Range	0~95%RH @ 0~40°C (Non condensing)	
Altitude (m)	<1000, derating required between 1000 to 3000	
<b>STANDARDS</b>		
Safety	EN IEC 62040-1: 2019 + A11: 2021	

## MP BR 6-10kVA Battery Pack Specification

MODEL	MPST BR16192	MPST BR20240
<b>BATTERY SYSTEM</b>		
Battery Type	VRLA (Lead acid maintenance free battery)	
Typical Battery Recharge Time (hours)	4 (To 90% of full capacity)	
Typical Battery Life (years)	3~5, depend on discharging cycle and ambient temperature	
System Voltage (Vdc)	192	240
Battery Quantity (pcs)	1×16	1×20
Capacity (Ah)	7/9	
<b>PHYSICAL</b>		
Dimension WxDxH (mm)	440×681.5×131 (3U)	
Weight (kg)	47/55	55/65
<b>ENVIRONMENTAL</b>		
Operating Environment (°C)	0~40	
Humidity Range	0~95%RH @ 0~40°C (Non condensing)	
Altitude (m)	<1000, derating required between 1000 to 3000	
Noise Level (dB)	< 40	
<b>STANDARDS</b>		
Safety	EN IEC 62040-1: 2019 + A11: 2021; UL 1778: 2014 R4.23, CSA C22.2 NO. 107.3-14 + G11	

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## KLi 5-30kVA Battery Pack Specification

MODEL	KLI-192S12BP
<b>BATTERY SYSTEM</b>	
Battery Type	LiFePO <sub>4</sub>
Typical Battery Recharge Time (hours)	2 (To 90% of full capacity)
Typical Battery Life (years)	8~10, depend on discharging cycle and ambient temperature
System Voltage (Vdc)	192
Capacity (Ah)	12
<b>PHYSICAL</b>	
Dimension WxDxH (mm)	440×684×86.5 (2U)
Weight (kg)	34
<b>ENVIRONMENTAL</b>	
Operating Environment (°C)	0~50
Humidity Range	0~95%RH @ 0~50°C (Noncondensing)
Altitude (m)	<1000, derating required between 1000 to 3000
Noise Level (dB)	<40
<b>STANDARDS</b>	
EMC	EN IEC 61000-6-1:2019; EN IEC 61000-6-3:2021; BS EN IEC 61000-6-1: 2019; BS EN IEC 61000-6-3: 2021
Transportation	UN38.3
Safety	ANSI/CAN/UL 1973:2022; IEC 62619:2022 (Li-ion battery cell: UL1642)

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