Memopower RT Pro-IV Series

1:1 Phase PF 1.0

Power range: 6~10kVA

5 Kinds of LCD can be selected

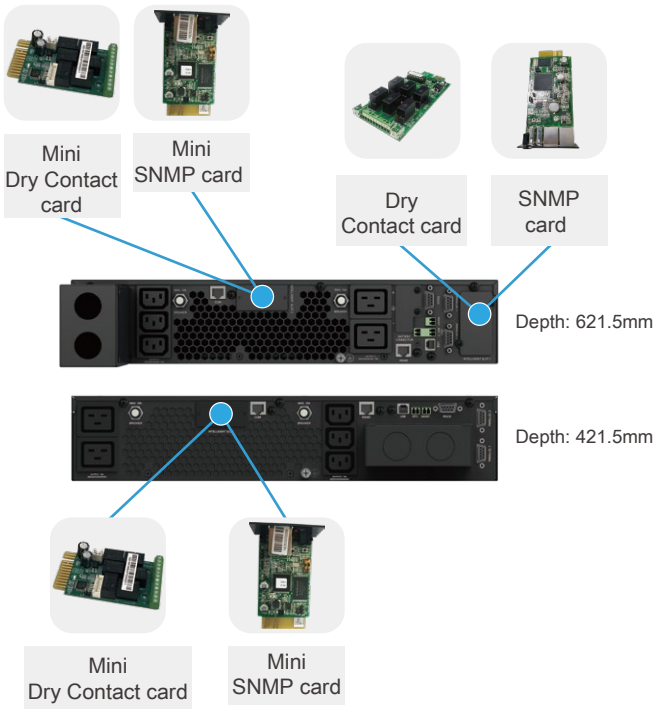
2U UPS+2U
Lithium Battery Pack

2U UPS+3U
VRLA Battery Pack

4U UPS
VRLA Battery Built-in

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 in 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 slots 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		MP RT Pro 6k H	MP RT Pro 6k S	MP RT Pro 10k H	MP RT Pro 10k S
Capacity (VA/W)		6000/6000		10000/10000	
INPUT					
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%)			
OUTPUT					
Nominal Voltage (Vac)		208/220/230 (Default)/240			
Voltage regulation		±1%			
Power Factor		1.0			
Output Connection		Programmable: C19*2+C13*3 / C13*3 (Depth: 421.5 mm); Non-programmable: HW terminal (L+N+G) / HW terminal (L+N+G)+C19*2 (Depth: 421.5 mm)			
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			
EFFICIENCY					
AC Mode		Up to 95%		Up to 95.5%	
ECO Mode		Up to 98.8%		Up to 99%	
BATTERY					
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 capcacity			
MANAGEMENT					
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 chariging/discharging current, Ambient temperature & Remaining battery backup time			
ENVIRONMENTAL					
Operating Temperature (℃)		0~40			
Storage Temperature (℃)		-25~55			
Humidity Range		0~95%RH @ 0~40℃ (Non condensing)			
Altitude (m)		<1000, derating required between 1000 to 3000			
Noise Level * (dB)		<45		<50	
PHYSICAL					
Dimension WxDxH (mm)		440×621.5×86.5 (2U)/ 440×421.5×86.5 (2U) **	440×621.5×175 (4U)	440×621.5×86.5 (2U)/ 440×421.5×86.5 (2U) **	440×621.5×175 (4U)
Weight (kg)		15/13	57/65	17/15	67
STANDARDS					
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
4. **The version does not support dual input / dual Intelligent card slots / 4 pins dry contact ports / common battery banks

PDU Specification

Parallel PDU	MP PDU10000		MP 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)	440×421.5×86.5 (2U)	440×621.5×86.5 (2U)	440×421.5×86.5 (2U)
Weight (kg)	10.5	8	11.5	9
ENVIRONMENT				
Operating Temperature (℃)	0~40			
Storage Temperature (℃)	-25~55			
Humidity Range	0~95%RH @ 0~40℃ (Non condensing)			
Altitude (m)	<1000, derating required between 1000 to 3000			
STANDARDS				
Safety	EN IEC 62040-1: 2019 + A11: 2021			

MP BR 6-10kVA Battery Pack Specification

MODEL	MP BR16192		MP BR20240
BATTERY SYSTEM			
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 discharing cycle and ambient temperature		
System Voltage (Vdc)	192		240
Battery Quantity (pcs)	1×16		1×20
Capacity (Ah)	7/9		
PHYSICAL			
Dimension WxDxH (mm)	440×681.5×131 (3U)	440×500×131 (3U)	440×681.5×131 (3U)
Weight (kg)	47/55	43/52	55/65
ENVIRONMENTAL			
Operating Environment (℃)	0~40		
Humidity Range	0~95%RH @ 0~40℃ (Non condensing)		
Altitude (m)	<1000, derating required between 1000 to 3000		
Noise Level (dB)	< 40		
STANDARDS			
Safety	EN IEC 62040-1: 2019 + A11: 2021; UL 1778: 2014 R4.23, CSA C22.2 NO. 107.3-14 + GI1		

Specifications are subject to change without prior notice.
Remark: MP BR20240 "MP" means series; "BR" means Battery Rack; "20" means battery number inside the Rack;
"240" means the battery system voltage.

KLi 5-30kVA Battery Pack Specification

MODEL	KLi-192S12BP
BATTERY SYSTEM	
Battery Type	$LiFePO_4$
Typical Battery Recharge Time (hours)	2 (To 90% of full capacity)
Typical Battery Life (years)	8~10, depend on discharing cycle and ambient temperature
System Voltage (Vdc)	192
Capacity (Ah)	12
PHYSICAL	
Dimension WxDxH (mm)	440×684×86.5 (2U)
Weight (kg)	34
ENVIRONMENTAL	
Operating Environment (℃)	0~50
Humidity Range	0~95%RH @ 0~50℃ (Noncondensing)
Altitude (m)	<1000, derating required between 1000 to 3000
Noise Level (dB)	<40
STANDARDS	
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)

Specifications are subject to change without prior notice.
Remark: KLi-192S12BP "KLi" means series; "192" means system voltage; "S" means no battery neutral system;
"BP" means battery pack.