# Memopower RT Pro-IV Series

1:1 Phase PF 1.0

Power range: 6~10kVA

5 Kinds of LCD can be selected

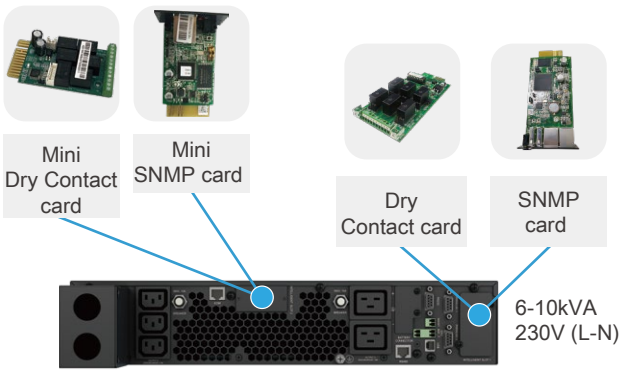
2U UPS+2U
Lithium Battery Pack

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 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 | | 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%)<br>230: +20% (Optional +10%, +15%)<br>240: +15% (Optional +10%)<br>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; 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 | | | |
| 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) | 440×621.5×175 (4U) | 440×621.5×86.5 (2U) | 440×621.5×175 (4U) |
| Weight (kg) | | 15 | 57/65 | 17 | 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



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## 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) | 440×621.5×86.5 (2U) |
| Weight (kg) | 10.5 | 11.5 |
| 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) | |
| Weight (kg) | 47/55 | 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 |
| STANDARDS | |
| 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.


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