MEMOPOWER RT Pro-IV Series UPS

1:1 Phase PF 1.0

Power range: 5~10kVA

5 Kinds of LCD can be selected

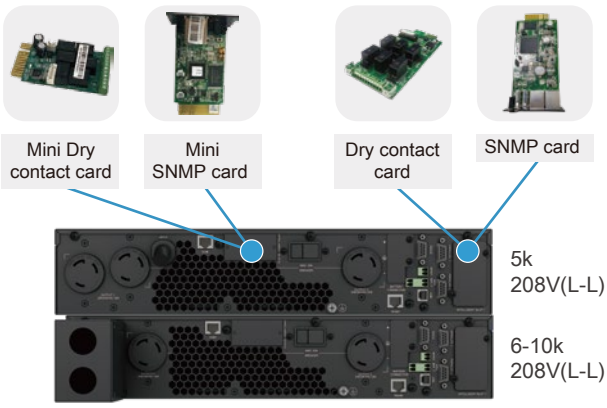
2U UPS+2U
Lithium Battery Pack

2U UPS+3U
VRLA Battery Pack

4U UPS
VRLA Battery Built-in

Features

- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- 3-level inverter topology, the efficiency can be up to 95.5%
- 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 5/6kVA
- 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 5k H	MP RT Pro 5k S	MP RT Pro 6k H	MP RT Pro 6k S	MP RT Pro 10k H	MP RT Pro 10k S
Capacity (VA/W)		5000/5000		6000/6000		10000/10000	
INPUT							
Nominal Voltage (Vac)		208 (Default)/220/230/240					
Operating Voltage Range (Vac)		110~300 (110~300@50% load/176~300@100% load)					
Power Factor		≥0.99					
Input Connection		NEMA L6-30P		HW terminal (L+L+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 (Default)/220/230/240					
Voltage regulation		±1%					
Power Factor		1.0					
Output Connection	Programmable	NEMA L6-20R*1		NEMA L6-30R*2			
	Non-programmable	NEMA L6-30R*2		HW terminal (L+L+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: 0ms; 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							
Charging Current (Max.)(A)	VRLA battery	192 (Default)/216/240	192 (7/9Ah)	192 (Default)/216/240	192 (7/9Ah)	192 (Default)/216/240	192 (9Ah)
	Lithium battery	192	/	192	/	192	/
Charging Current (Max.)(A)		12 (15 Optional)	1.35 Default (12,15 Optional)	12 (15 Optional)	1.35 Default (12,15 Optional)	15	1.35 Default (15)
		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)	440×621.5×86.5 (2U)	440×621.5×175 (4U)
Weight (kg)		16.5	58.5/66.5	15.5	57.5/65.5	17	67
STANDARDS							
Safety		UL 1778:2014 R4.23, CSA C22.2 NO. 107.3-14 + GI1					
EMC		FCC 47 CFR Part 15 Subpart B, Class A					

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

PDU	MP PDU10000	MP PDU20000P
Capacity (VA/W)	10000/10000	20000/20000
Nominal Input / Output Voltage (Vac)	208~240	
Max Input Current (A)	52	104
Input Connection	Terminal (L+L+G)	
Input Protection	63A breaker	63A breaker*2
Output Connection	Terminal+NEMA L6-30R*2+NEMA L6-20R*2	Terminal+NEMA L6-30R*2
Output Protection	63A breaker+30A breaker+20A breaker	63A breaker*2+30A breaker
Maintenance Bypass Protection	63A breaker	125A breaker
Dimension W×D×H (mm)	440×621.5×86.5 (2U)	
Weight (kg)	11.5	13.5
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	
STANDARDS		
Safety	UL 1778: 2014 R4.23, CSA C22.2 NO. 107.3-14+GI1	

Step-down Transformer Specification

MODEL		TDU5000
Capacity (VA/W)		5000/5000
INPUT		
Nominal Voltage (Vac)		208 (L+L+G)
Input Frequency (Hz)		50/60
Max. Input Current (A)		24
Max. Input Power (VA/W)		5000/5000
Input Connection		NEMA L6-30P
Input Protection (A)		25
Input Cord Length (m)		0.6
OUTPUT		
Nominal Output Voltage (Vac)	Output 1	208 (L+L+G)
	Output 2	120 (±4%)(L+N+G)
Output Frequency (Hz)		50/60
Maximun Output 1 Power (VA/W)	Group 5	5000/5000
Maximun Output 2 Power (VA/W)	Group 1+2	3000/3000
	Group 3+4	3000/3000
Output Connection		NEMA L6-30R*1+NEMA 5-20R*12
Output Protection		25A+20A
Efficiency		Up to 95%
PHYSICAL		
Dimension W×D×H (mm)		440×621.5×86.5 (2U)
Weight (kg)		44
ENVIRONMENTAL		
Operating Temperature (℃)		0~40
Storage Temperature (℃)		-25~55
Humidity Range		0~90%RH@0~40℃ (Non condensing)
Altitude (m)		<1000, derating required between 1000 to 3000
Noise Level (dB)		<50
STANDARDS		
Safety		UL 1778: 2014 R4.23, CSA C22.2 NO. 107.3-14 + GI1
EMC		FCC 47 CFR Part 15 Subpart B, Class A

MP BR 5-10kVA Battery Pack Specification

MODEL	MP BR16192	MP BR20240
BATTERY SYSTEM		
Battery Type	VRLA(Lead acid maintenance free battery)	
Typical Battery Recharging 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 W×D×H (mm)	440×681.5×131 (3U)	
Weight (kg)	47/55	55/65
ENVIRONMENTAL		
Operating Environment (℃)	0 ~ 40	
Altitude (m)	<1000, derating required between 1000 to 3000	
Humidity Range	0~90%RH@0~40°C(Non condensing)	
Noise Level (dB)	<40	
STANDARDS		
Safety	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 Recharging 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
System Capacity (Ah)	12
PHYSICAL	
Dimension W×D×H (mm)	440×684×86.5 (2U)
Weight (kg)	34
ENVIRONMENTAL	
Operating Environment (℃)	0 ~ 50
Humidity Range	0~90%RH@0~40℃ (Non condensing)
Altitude (m)	<1000, derating required between 1000 to 3000
Noise Level (dB)	<40
STANDARDS	
Safety	ANSI/CAN/UL 1973: 2022 (Li-ion battery cell: UL1642)
EMC	FCC 47 CFR Part 15 Subpart B, Class B
Transportation	UN38.3

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.