

ONLINE RT series 6000 - 10000 VA PF - 1

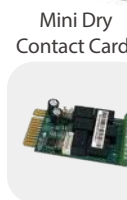
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5 kinds of LCD can be selected



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 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, low discharge, output low voltage and fan fault alarm
- IEC62619/UL1973/UN 38.3 certified lithium battery pack



6-10kVA
230V (L-N)



Multifunctional
Bracket



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

BPU
SUPPORTED BY **KSTAR**

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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; 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%, 60min; ≤125%, 10min; ≤150%, 1min; >150%, turn to bypass mode immediately			
	Battery mode	Load≤110%, 10min; ≤125%, 1min; ≤150%, 10 second; >150%, 0.5 second shut down			
	Bypass mode	105%≤load≤130%, only overload alarm; ≤150%, 10min; ≤200%, 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 capacity					
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 charging/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			

- Specifications are subject to change without prior notice
 - Data above are typical values for reference only, not as a basis for engineering design
 - *Online mode, full load, float charging
- H: long run unit (battery not included)
S: standard unit

