

# MHP 31 & MHPR 31 Series

10 ~ 20kVA

3-Phase In/ 1-Phase Out

Tower & Rack Online UPS



## Applications

IDC (Internet Data Center), network, servers and workstations, control system, communication system, office, PC etc

## Rear Panel



15L/20L

1. RS232 port
2. USB port
3. MODBUS card port
4. External battery connector
5. EPO /ROO (Remote On Off) port
6. Input and output terminal block
7. Input circuit breaker



3/1 10KL



3/1 15/20KL

1. RS232 port
2. EPO /ROO (Remote On Off) port
3. USB port
4. Intelligent slot for SNMP/MODBUS/dry contact card etc.
5. Battery connector
6. Input and output terminal block
7. AC input switch
8. Battery switch
9. AC output switch
10. Maintenance bypass switch

## Features

- True online double-conversion technology
- Wide input voltage range
- DSP based technology
- Advanced PFC technology, input PF>99%
- Lighting and surge protection
- LCD/LED display
- Support generator connection
- Support 3/1 and 1/1 configuration
- Cold start
- Smart slot for mission critical applications

Model	MHP3110L	MHP3115L	MHP3120L	MHPR3110L	MHPR3115L	MHPR3120L
Capacity	10kVA/9kW	15kVA/13.5kW	20kVA/18kW	10kVA/9kW	15kVA/13.5kW	20kVA/18kW
<b>Input</b>						
Rated Voltage	380/ 400/415Vac, 3Ph+N+PE					
Voltage Range	156~520Vac					
Frequency Range	40~70Hz					
Power Factor	≥0.99					
<b>Output</b>						
Rated Voltage	208/220/230/240Vac, L+N+PE					
Voltage Regulation	±1%					
Frequency	50/60Hz±0.1%					
THDu	≤2% (linear load); ≤7% (non-linear load)					
Transfer Time	Zero					
Waveform	Pure sine wave					
Crest Ratio	3:1					
Overload Capacity (Line Mode)	105%~125% load, 10min; 126%~150% load, 1min; >150% load, 100ms					
Overload Capacity (Battery Mode)	105%~125% load, 1s; >126% load, 100ms;					
<b>Battery</b>						
Battery Type	Sealed lead acid maintenance free					
Nominal Voltage	192Vdc / 240Vdc					
Battery Number	External					
Charging Current	4A or 8A					
<b>Efficiency</b>						
Line Mode	94%					
Battery Mode	92%					
ECO Mode	98%					
<b>Communication</b>						
Interface	RS232 / USB / SNMP card(optional) / Dry contact card (optional)					
<b>Environment</b>						
Operation Temperature	0~40°C					
Humidity	0~95%(non-condensing)					
Noise	≤55dB @ 1 meter away					
Altitude	Up to 1000m without derating					
<b>Physical</b>						
Dimensions (W*D*H) mm	190*535*340	238*555*528	238*555*528	438*500*132 (3U)	438*530*176 (4U)	438*530*176 (4U)
Weight (kg)	17	25.6	26.1	18.5	25.6	26.1

All specifications are subject to change without prior notice