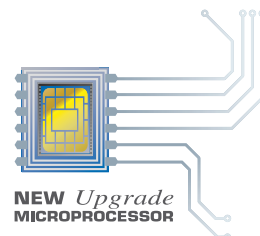


ZIRCON[®]
The Smart Power Solution

**TRUE ONLINE
DOUBLE CONVERSION
TECHNOLOGY**

ZC-MP
3:1 Phase

Rating :
10kVA, 15kVA, 20kVA



Features

- Support parallel function (Optional)
- Online double conversion with DSP control
- Optimization battery group
the quantity of battery:16/18/20pcs
- Wide input voltage range:208~478Vac
- Wide input frequency range:40~70Hz
- Maximum charging current up to 18A (Settable)
- Support 3/1 and 1/1 operation
- Generator compatible
- ECO mode operation for energy saving
- Design with maintenance switch
- Cold start
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Colorful 2.4 inch TFT LCD display is optional
- Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm
- Multiple communication interface:RS232/USB/EPO (Relay card /SNMP card/Parallel kit optional)

QUALITY STANDARD COMPLIANCE



S09001: 2015, ISO14001, FCC, CE, UL, LVD, EMC

LCD Operation

LCD control panel consists of LCD display board, LED and buttons, which displays and controls these information including Running information, alarm information, function setting information.

Intelligent slot optional



Relay card



Parallel cable



SNMP



Parallel board

<http://www.zircon.co.th>

ZC-MP

True Online UPS

Rating

10kVA, 15kVA, 20kVA

3 Phase in, 1 Phase out



MODEL		ZC-MP 10kVA	ZC-MP 15kVA	ZC-MP 20kVA
Capacity		10kVA / 9kW	15kVA / 13.5kW	20kVA / 18kW
INPUT				
Nominal voltage		380/400/415Vac (3PH+N+PE) 220/230/240Vac (L+N+PE)		
Operating voltage range		208~478Vac ; 120~276Vac		
Operating frequency range		40~70Hz (50/60Hz Auto-Sensing)		
Bypass voltage range		Max.voltage:220V:+25% (Optional+10%,+15%,+20%) 230V:+20% (Optional+10%,+15%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)		
FREQUENCY				
Frequency protection range		50/60Hz±10%		
OUTPUT				
Output voltage		220/230/240Vac (L+N+PE)		
Voltage regulation		±1%		
Power factor		0.9		
Output frequency	Line mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)		
	Bat. mode	(50/60±0.1%)Hz		
Transfer time	AC mode to Bat.mode	0ms		
	Inverter to Bypass	0ms		
Output waveform		Pure Sinewave		
Crest factor		3:1		
Harmonic distortion (THDv)		≤2% Linear load ≤5% Non linear load		
Overload	AC mode	Load≤110%: last 60min turn to bypass; ≤125%: last 10min turn to bypass; ≤150%: last 1min turn to bypass; ≥150% turn to bypass mode immediately		
	Bat.mode	Load≤110%: last 10min; ≤125%: last 1min; ≥125% shut down UPS immediately		
	Bypass mode	Breaker 2x32A	Breaker 2x50A	Breaker 2x63A
EFFICIENCY				
Efficiency		up to 93.5%	up to 94%	
BATTERY				
Standard unit		192/216/240 Vdc (Settable)		
Battery		Maintenance free sealed lead acid 12V9Ah		
Charging current		charging current can be set according to battery capacity		
Backup time		5 min full load 15-30 mins (depend on loads)		
PHYSICAL				
Dimension W x D x H (mm)		220x531x450		
Net weight (kg)		22 without battery cabinet	24 without battery cabinet	28 without battery cabinet
ENVIRONMENTAL				
Operating temperature		0°~40°		
Storage temperature		-25°~55°		
Humidity range		0~95% (Non condensing)		
Altitude		<1500m,derating required when>1500m		
Noise level		<55dB at 1 Meter		<58dB at 1 Meter
STANDARDS				
Safety		IEC/EN62040-1,IEC/EN62477-1		
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8		

ZIRCON POWER SOLUTION CO., LTD.

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OPERATION TIME (Mon~Fri 08.30~17.30)

SERVICE CENTER

02-970-7575

COMPLAINT CENTER

061-672-8999

HOTLINE

ZIRCON 24 hrs.

082-703-7777