

# Online UPS 3 Phase Out

## MPP Series

10-30kVA 3:3 Phase



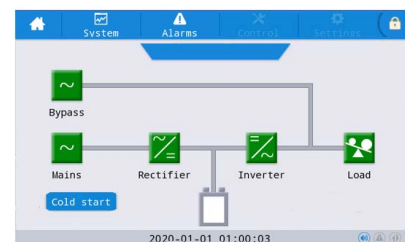
### Applications:

For all kind of ADP Machines

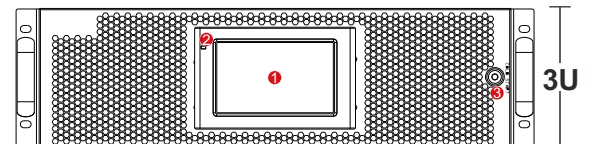


### Features:

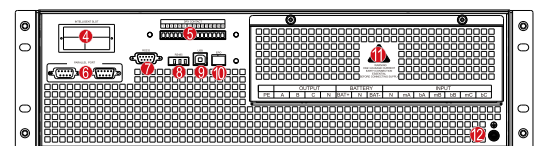
- True online double-conversion topology
- 5 Inch LCD display for comprehensive UPS information
- DSP technology guarantees high performance
- Output power factor unity (1.0, kVA = kW)
- Active power factor correction at input
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- Supports dual AC inputs
- 3-stage extendable charging design for optimized battery
- performance Adjustable battery numbers, (30-50 Nos.)
- Parallel operation with common battery
- Can be configured as 3/3, 3/1 & 1/1



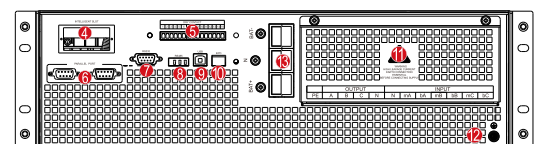
5 Inch Touch Screen Display



10-30kVA front appearance



10-20kVA back appearance



30kVA back appearance

### Rear Panel:

1. Touch screen LCD display
2. LED
3. Battery Start Button
4. SNMP Card (Optional)
5. Dry Contacts
6. Parallel Port
7. RS232
8. RS485
9. USB
10. EPO
11. Terminal Block
12. GND
13. Battery Connectors

## ▶ Technical Specifications of MPP Series 10~30kVA

MODEL	MPP3110L32	MPP3115L32	MPP3120L32	MPP3130L32
PHASE	3-phase in / 3-phase out			
CAPACITY	10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW
PARALLEL CAPABILITY	4			
<b>INPUT</b>				
Nominal Voltage	380 / 400 / 415 V AC (3P+N+PE)			
Voltage Range	228V~304V AC			
Frequency	40~70Hz			
Power Factor	≥ 0.99			
<b>OUTPUT</b>				
Output Voltage	380 / 400 / 415 V AC (3P+N+PE)			
AC Voltage Regulation (Batt. Mode)	± 1%			
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	≤1%			
Transfer Time	AC mode to Battery mode	Zero		
	Inverter to Bypass	Zero		
Waveform (Batt. Mode)	Pure Sinewave			
Overload	<110% for 60 min, 110%-125% for 10 min, 125%~150% for 1 min; >150% 200 msec			
<b>EFFICIENCY</b>				
AC Mode	96.0%			
ECO Mode	98.9%			
Battery Mode	95.0%			
<b>BATTERY</b>				
Battery Type	VRLA (Lithium Battery Compatible)			
Battery Numbers	30~50 pcs (Adjustable)			
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	532 x 800 x 130 (3U)			440 x 750 x 130
Net Weight (Kgs)	22	24		29
<b>ENVIRONMENT</b>				
Operating Temperature	0-50°C*			
Operating Humidity	< 95 % and non-condensing			
Noise Level	Less than 55dBA @ 1 Meter		Less than 58dB @ 1 Meter	
<b>STANDARDS</b>				
Quality	ISO 9001, ISO 14001, ISO 45001, ISO 27001, ISO 50001, RoHS			
Safety	IEC/EN62040-1			
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE			
<b>COMMUNICATION INTERFACE</b>				
Standard	Smart RS232, USB, RS485, EPO, Dry Contact, Parallel Port			
Optional	SNMP, Wi-Fi Card, GPRS Card, SMS Alarms			
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000			

\* Conditions apply.  
 Specifications are subject to change without prior notice.

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