

# CP Series

5 ~ 20kVA

3:3 Phase PF: 0.8

## Applications:

For all kind of ADP Machines



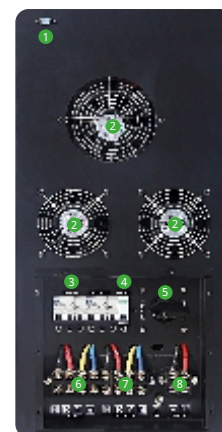
Adoption of IGBT Inverter & Rectifier saves energy & coupled with an isolation transformer, enhances the reliability and load adaptability. This unique construction for input and output isolation provides the advantage of noise rejection as well as clean and safe neutral line to the load.

## Features:

- True Online Double Conversion Topology
- Output Isolation Transformer
- Wide Input Voltage Range
- User Friendly Digital LC Display
- Cold Start Function
- High Crest Factor Circuit Design
- Advance Battery Management
- Improved Input Power Factor
- Inbuilt High-Rated IGBT based charger enable long battery backup up



Front LC Display



## Rear Panel

1. RS232 / SNMP (Optional)
2. Fans
3. Input Breaker
4. Battery Breaker
5. Maintenance Bypass Breaker
6. Input Terminal
7. Output Terminal
8. Battery Terminal



- Wide input frequency range ensures all types of fuel generators compatibility.
- Optimization of high performance battery.
- Advanced charging technology maximises the activation of the battery, *i.e* saves the charging time and extends the battery life.
- Battery cold start function.
- The UPS can be started directly by battery group when no utility power.
- Comprehensive and reliable protection
- self-diagnosis function before start-up, avoids the risks that the failure may lead.
- The multi-protections such as overload, short circuit, over temperature, battery under voltage, battery over voltage ensure the system stability and reliability.
- Solar compatibility (Optional)
- Static bypass (Optional)

MODEL	CP3305L16	CP3310L20	CP3315L20	CP3320L20	CP3320L30
Capacity	5 kVA	10 kVA	15 kVA	20 kVA	
<b>INPUT</b>					
Voltage Range	320V ~ 480V AC, Three Phase (4 Wire)				
Frequency Range (Hz)	50 / 60 Hz ±10%				
Power Factor	>0.95				
<b>OUTPUT</b>					
Power Factor	0.8 (Standard) 0.9 (Optional)				
Voltage (V)	400V AC				
Frequency (Hz)	50Hz ± 0.1%				
Waveform	Pure Sine Wave				
Efficiency	94.0%				
THDv	≤1%				
Overload	≤110% for 60 Min, ≤125% for 10 Min, ≤150% for 1 Min and ≥ 150% for 300 ms				
Isolation Transformer	Inbuilt Isolation Transformer				
<b>BATTERY</b>					
Battery Voltage	192V	240V			360V
Charging Current (Max)	1A ~ 10A Standard (High Rating Optional)				
Charging Time	4-5 Hrs. for 95%				
<b>SYSTEM FEATURES</b>					
Display	LCD	Input and Output Voltage, Input and Output Frequency, Load & Battery %			
	LED	Mains, AC Mode, DC Mode, Low Battery, Overload			
Alarm	Battery Low Voltage, Abnormal Power Supply, UPS Failure, Overload				
Protection	Short Circuit, Input Under/Over Voltage, Over Temperature, Over Current, Over Load, DC BUS Under / Over Voltage and Battery low				
<b>ENVIRONMENTAL</b>					
Temperature	Operating: 0~50°C*, Storage: -15°C ~ 60°C				
Humidity / Altitude	0~95% RH Non-condensing / <1500 M				
Noise	<50dBA				
<b>STANDARDS</b>					
Quality	ISO 9001, ISO 14001, ISO 27001, ISO 45001, ISO 50001, RoHS				
Safety	IEC/EN62040-1				
EMC / Protection	IEC/EN62040-2; IEC/EN62040-3, Complying to CE				
<b>PHYSICAL</b>					
Dimension WxDxH (mm)	280x615x685				
Weight (Kg)	160	170	180	185	225
<b>COMMUNICATION INTERFACE</b>					
Optional	SNMP / ModBus / Dry Contact / USB / RS-485 / RS-232				
Monitoring Software	NetAgent / UPSilon 2000				

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

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