



C Series UPS is a three phase transformer-less online double conversion Cabinet UPS with multi-language LCD screen display and front access cabinets.

## FEATURES

### Clean power

Transformerless online double conversion UPS with sine wave output  
Power factor corrected conversion minimizes input current THD to less than 3%

### Low energy consumption and cost of ownership

Low energy consumption with max efficiency of up to 94% (93% at 25% load)  
High input power factor of 0.99% minimizes energy consumption and hardware installation costs

### Advanced battery management

Maximizes battery life with intelligent three-level charging  
Displays estimated battery backup and tests for battery capacity

### Flexible and reliable

Dual AC input  
Cold start up without AC mains power  
Parallel redundant operation of up to 4 units  
Synchronized transfer to bypass for parallel units  
Parallel UPS share common battery  
A wide power input range is compatible with poor grid or generator output  
UPS management PC software - Muser 4000

### Power Options

External battery cabinets

### Management Options

External battery temperature sensor  
SNMP card  
Relay card

## TRANSFORMERLESS ONLINE DOUBLE CONVERSION UPS

# C Series UPS

## 100 – 260 kVA 208 Vac 3Ph

### SPECIFICATIONS

External Battery Model	C 33100AD	C 33120AD	C 33160AD	C 33200AD	C 33260AD
Capacity kVA	100	120	160	200	260
Power kW	90	108	144	180	234
AC input	Dual				
Heat dissipation	6300 W	7560 W	10080 W	10080 W	13500 W
Charge current	50 A	60 A	80 A	100 A	130 A
Weight Kg	469	507	575	895	1009
H x W x D mm	1600 x 600 x 860	2000 x 600 x 860		2000 x 1200 x 860	

#### AC Input

Rated voltage	120/208 Vac or 127/220 Vac (3 phase, 4 wire and ground)
Voltage range startup	+25%, -20% (156-260V or 165-275V), full load
Voltage range operating	-40%, +25% (125-260V or 132-275V) , <50% load
Input power factor	>0.99%
input frequency	40 - 70 Hz
THD	<3% 100% non-linear
Bypass range	V max: +25% (default: +15%), V min: -40% (default: -20%), Hz: $\pm$ 10% (default: $\pm$ 1%)

#### AC Output

Rated voltage	120/208 Vac or 127/220 Vac (3 phase, 4 wire and ground)
Voltage regulation	$\pm$ 2% balanced load, $\pm$ 5% for 100% unbalanced load
Efficiency	Up to 94%
Output frequency	synchronous with the network / 50/60 Hz $\pm$ 0.2% battery mode
THD	<2% linear load, <5% non-linear load
Crest factor	3:1
Overload online mode	<110% 60 min, <125% 10 min, <150% 1 min, >150% bypass
Overload battery mode	<110% 10 min, <125% 1 min, <150% 5 sec, >150% shutdown

#### External Battery Requirements

DC nominal	+/- 144 Vdc
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#### General Specifications

Parallel operation	Up to 4 units
Communication	RS232, RS485, USB, expansion slots (2), parallel (2), dry contact, remote emergency power off, battery temp
Protocol / Software	Megatec, MODBUS / Muser 2000 PC software included
Temperature	Operating 0 to +40° C, Storage -25 to +55° C
Altitude	< 1500 M
Humidity	$\leq$ 95% non-condensing
Safety	UL 1778 (pending)