

## YDC3300 SERIES

10kVA  
3:3 phase PF: 0.9



Control Panel

### Features

- Online-Double conversion
- Output transfer time is 0ms
- PFC technology
- Full digital control (DSP)
- Output power factor: 0.9
- Input current harmonic: 3%
- ECO function
- Charging/Rectifier/Inverter fully digital control technology
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- Wide input voltage range: 208~478Vac
- Options: SNMP card/Relay card
- Wide input frequency range: 45~66Hz
- DC start
- Communication port: USB/RS232/RS485/ Parallel port/ dry contact
- The output can be meet 100% unbalanced load
- Common battery group
- Intelligent charging management
- EPO function
- LCD/LED double display

### Technical Specifications:

MODEL		YDC3310S/H
Capacity (VA/Watts)		10k / 9k
<b>INPUT</b>		
Nominal voltage		380/400/415Vac, (3Ph+N+PE)
Operating voltage range		208~478Vac
Operating frequency range		50Hz:45~55Hz;60Hz:54~66Hz(auto sensing)
Power factor		≥0.99
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%)
Bypass frequency range		Frequency protection range: ± 10%
ECO range		Same as bypass
Harmonic distortion (THDi)		≤3%(100% non-linear load)
<b>OUTPUT</b>		
Output voltage		380/400/415Vac(3Ph+N+PE)
Power factor		0.9
Voltage regulation		± 1%
Frequency	Line Mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency(optional)
	Bat. Mode	50/60(± 0.1)Hz
Crest factor		3:1
Harmonic distortion (THDv)		≤2% with linear load ≤5% with non-linear load
Efficiency		93.5%
<b>BATTERY</b>		
Battery voltage		Standard unit: ± 120Vdc(20 pcs) Long run unit: ± 96Vdc/ ± 108Vdc/ ± 120Vdc(16/18/20 pcs optional)
Backup time		Long run unit depends on the capacity of external batteries.
Charge current		1.35/2.7/4.05A(10/15/20/30kVA);Long run unit Max.10A
<b>SYSTEM FEATURES</b>		
Transfer time		Mains to Battery:0ms; Mains to Bypass:0ms
Overload		Load≤110%:60min; ≤125%:last 10min; ≤150%:last 1min;>150% turn to bypass mode
Short circuit		Hold Whole System
Communication interface		USB,RS232,RS485,Parallel port, Dry contact, Intelligent slot, SNMP card (optional), Relay card (optional)
<b>ENVIRONMENTAL</b>		
Operating temperature		0°C ~ 40°C
Storage temperature		-25°C ~ 55°C
Humidity range		0 ~ 95% (non-condensing)
Altitude		< 1500m
Noise level		<55dB
<b>PHYSICAL</b>		
Dimension D × W × H (mm)		828 × 250 × 868
Net weight (kg)		115 / 57
<b>STANDARDS</b>		
Safety		IEC/EN62040-1,IEC/EN60950-1
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8