

YDC3300

10-40kVA

3:3 PF0.9

YDC3300 series UPS is a three-phase in and three-phase out high frequency UPS with medium and large power capacity. Equipped with three-level inverter topology, it results in high efficiency reaching 95.5%. With higher power density, smaller footprint, it takes the leading position in the UPS industry with same power capacity; Adopting unique power unit redundancy design technology, decrease the abnormality risk of system after single-point failure, greatly increase the system reliability. For user, it is your best choice with high investment rate.



General Features

- Online double conversion
- Output transfer time is 0ms
- PFC technology
- Full digital control(DSP)
- Output power factor: 0.9
- Input current harmonic: 3%
- Support economic (ECO) operation mode
- Optimization battery group, the quantity of battery: 10-30k(16/18/20 pcs optional), 40-80k(32/34/36/38/40 pcs optional)
- Wide input voltage range: 208~478Vac
- Wide input frequency range: 40~70Hz
- Cold start
- Communication port: USB, RS232, RS485, Parallel port, Dry contact
- Options: SNMP card/Relay card
- LCD/LED double display
- Intelligent charging management
- EPO function
- Common battery group
- The output can meet 100% unbalanced load

Technical Specification

MODEL	YDC3310S/H	YDC3315S/H	YDC3320S/H	YDC3330S/H	YDC3340	YDC3360	YDC3380
Capacity (VA/Watts)	10k / 9k	15k / 13.5k	20k / 18k	30k / 27k	40k / 36k	60k / 54k	80k / 72k
INPUT							
Nominal voltage	380/400/415Vac(3Ph+N+PE)						
Operating voltage range	208~478Vac						
Operating frequency range	45~55Hz at 50Hz / 54~66Hz at 60Hz(auto sensing)					40~70Hz	
Power factor	≥0.99						
Bypass voltage range	380Vac Max.voltage: +25%(optional +10%,+15%,+20%) 400Vac Max.voltage: +20% (optional +10%,+15%) 415Vac Max.voltage: +15% (optional +10%) Min.voltage: -45% (optional -20%,-30%)						
Bypass frequency range	Frequency synchronize tracing range:±10%						
ECO range	Same as the bypass						
Harmonic distortion (THDi)	≤3%(100% non-linear load)						
OUTPUT							
Rated 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	93.50%			94.50%			
BATTERY							
Battery voltage	Standard unit: ±120Vdc (20pcs 12V9Ah); Long run unit optional voltage: ±96/±108/ ±120Vdc(16/18/20 pcs optional)	Standard unit: ±120Vdc(2×20pcs 12V9Ah); Long run unit optional voltage: ±96/±108/±120Vdc(16/18/20 pcs optional)	Standard unit: ±120Vdc(3×20pcs 12V9Ah);Long run unit optional voltage: ±96/±108/±120Vdc(16/18/20pcs optional)	Optional voltage: ±192/±204/±216/±228/±240Vdc (32/34/36/38/40 pcs optional)			
Charging current (A)(Charging current can be set according to battery capacity installed)	Standard unit: 1.35A Long run unit: Max.current 10A	Standard unit: 2.7A Long run unit: Max.current 10A	Standard unit: 4.05A Long run unit: Max.current 15A	Max.current 15A	Max.current 30A	Max.current 30A	

SYSTEM FEATURES							
Transfer time	Utility to battery:0ms; Utility to bypass:0ms						
Overload	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150% turn to bypass mode						
Short circuit	Hold whole system						
Communication interface	USB, RS232, RS485, Parallel port, REPO port, Dry contact, Intelligent slot, SNMP card(optional), Relay card (optional), LBS port(only 60-80k)						
ENVIRONMENT							
Operating temperature	0~40°C						
Storage temperature	-25~55°C(No battery)						
Humidity range	0~95% (Non-condensing)						
Altitude	<1500m. When >1500m, derating power for use						
Noise level	<55dB		<58dB			<63dB	
PHYSICAL							
Dimension	828×250×868				828×360×868		
D×W×H (mm)							
Net weight (kg)	115/57	170/63	171/64	223/71	73	118	122
STANDARDS							
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						