

YDC3300 Series

3:3 phase PF 0.9 (PF 1.0 optional)

Power range: 50~200kVA



Features

- ◆ Wide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage ≥ 305 Vac
- ◆ High input power factor, it is up to 0.99
- ◆ 3-level inverter topology, the efficiency can be up to 95.5%
- ◆ Support parallel expanded operation: maximum is 6 units
- ◆ Support sharing batteries for the UPS in parallel
- ◆ Power Walk in function, reduces the start current impact to system, and reduce the capacity of generator
- ◆ Output power factor is 1.0, UPS can supply power to 100% unbalanced load
- ◆ High adaptability for load, it can connect full inductive load or capacitive load
- ◆ Compatible with VRLA or lithium battery
- ◆ LBS function can realize 2 independent UPSs work in synchronization, and enhance the reliability of the system
- ◆ Support USB, RS485, RS232, SNMP and dry contact card

Technical Specifications

MODEL	YDC3350H	YDC3360H	YDC3380H	YDC33100H	YDC33120H	YDC33150H	YDC33160H	YDC33180H	YDC33200H	
Capacity (VAW)	50k	60k	80k	100k	120k	150k	160k	180k	200k	
INPUT										
Nominal Voltage (Vac)	380/400/415 (3Ph+N+PE)									
Operating Voltage Range (Vac)	138~305 for 40% load; 305~485 for 100% load									
Power Factor	≥0.99									
Harmonic Distortion (THDi)	≤3% Linear load									
Bypass Voltage Range (Vac)	Max.voltage: 220: +25% (Optional +10%, +15%, +20%) 230: +20% (Optional +10%, +15%) 240: +15% (Optional +10%) Min.voltage: -45% (Optional -10%, -15%, -20%, -30%)									
Bypass Frequency Range (Hz)	50/60±10%									
OUTPUT										
Nominal Voltage (Vac)	380/400/415 (3Ph+N+PE)									
Voltage Regulation	±1%									
Output Frequency (Hz)	Line mode: Synchronize with input, when the input frequency >±10% (±1%/±2%/±4%/±5% optional), output 50/60 (±0.1); Bat. mode: (50/60±0.2%)									
Crest Factor	3:1									
Harmonic Distortion (THDv)	≤2% with linear load; ≤4% with non linear load									
Overload	Inverter Mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% 1.2s shut down inverter							≤110% 60min, ≤125% 1min, >125% 1.2s shut down inverter	
	Bypass Mode	30°C: 135% for long term; 40°C: 125% for long term; >100%, 100ms								
EFFICIENCY										
AC Mode	Up to 95.5%									
ECO Mode	Up to 99%									
BATTERY										
Battery Type	VRLA/Li-ion									
Battery Voltage (Vdc)	360~600									
Charging Current(Max.)(A)	20		40			60				
ENVIRONMENTAL										
Operating Temperature (°C)	0 ~ 40									
Storage Temperature (°C)	-25~55 (No battery)									
Humidity Range	0~95% (Non condensing)									
Altitude (m)	1000, derating required when >1000									
Noise Level (dB)	<55	<58	<60	<62	<63	<64	<66	<66	<66	
PHYSICAL										
Dimension WxDxH (mm)	250×828×868			442×850×1200						
Weight (kg)	80	83	144	147	152	190	200	220	230	
STANDARDS										
Safety	IEC/EN 62040-1, IEC/EN 62477-1									
EMC	IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)									

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design