

# YDC3300H Series



Online Transformerless UPS series Power range: 50~200kVA (3-Level PF: 1.0) Mode: 3 phase input and 3 phase output



# High reliability design

 Wide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage ≥ 305Vac

#### Power saving

- · High input power factor, it can be up to 0.99
- · 3-level inverter topology, the efficiency can be up to 95.5%

# Parallel redundancy function

- · Support parallel expanded operation: maximum is 6 units
- · Support sharing batteries for the UPS in parallel

# Compatible with generator

 Power Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator

# Strong load capacity

- Output power factor is 1.0, UPS can supply power to 100% unbalance load
- High adaptability for load, it can connect full inductive load or capacitive load

#### VRLA&Lithium battery supportable

· Compatible with VRLA or lithium battery

#### LBS function

 LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system

#### Intelligent management

· Support USB, RS485, RS232, BMS, SNMP, dry contact card

# **Technical Specifications:**

MODEL	Поробінос	YDC3350H	YDC3360H	YDC3380H	YDC33100H	YDC33120H	YDC33150H	YDC33160H	YDC33180H	YDC33200H	
Capacity	·	50kVA	60kVA	80kVA	100kVA	120kVA	150kVA	160kVA	180kVA	200kVA	
INPUT											
Nominal volta	age				380/400	/415Vac (3Ph+	N+PE)				
Operating voltage range		138~305Vac for 40% load; 305~485Vac for 100% load									
Operating frequency range		40~70Hz									
Power factor						≥0.99					
Harmonic distortion (THDi)		≤3% (100% Linear load)									
Bypass voltage range		Max.voltage: 220V: +25% (Optional +10%,+15%,+20%) 230V: +20% (Optional +10%,+15%) 240V: +15% (Optional +10%) Min.voltage: -45% (Optional -10%, -15%, -20%, -30%)									
Frequency protection range		50/60Hz ± 10%									
Generator input		Support									
OUTPUT											
Output voltage	ae				380/400	/415Vac (3Ph+	N+PE)				
Voltage regulation		±1%									
Power factor						1.0					
Output	Line mode	Syr	nchronize with in	nput, when the i	nput frequency >	± 10% ( ± 1%/	± 2%/ ± 4%/ ± 5	% optional), out	put 50/60 ( ± 0.1	1Hz)	
frequency	Bat. mode	(50/60±0.2%)Hz									
Crest factor						3:1					
Harmonic distortion (THDv)					≤2% with linear	load; ≤4% with	n non linear load	b			
Overload	Inverter mode								≤110% 60mir ≤125% 1min, >125% 1.2s shut down inverter		
	Bypass mode			30℃: 135°	% for long term; 4	10°C: 125% for k	ong term; > 100	00%, 100ms			
EFFICIENCY	<b>′</b>										
Efficiency						Up to 95.5%					
BATTERY											
Battery voltag	ge				3	60Vdc~600Vd	С				
Battery type						VRLA / Li					
Charge Current		20A (	Max.)		40A (Max.)			60A	(Max.)		
SYSTEM FE	ATURES										
Transfer time		Utility to Battery: 0ms; Utility to Bypass: 0ms									
Backfeed protection		Support									
Alarm		Overload, utility abnormal, UPS fault, battery low, etc									
Protection		Short circuit, overload, over temperature, battery low, fan fault alarm									
Remote LCD		Support									
Communication		USB, RS232, RS485, BMS, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional)									
ENVIRONME	ENTAL										
Operating temperature						0°C ~40°C					
Storage temperature		-25°C ~55°C (No battery)									
Llungiditus non	Humidity range		0~95% (Non condensing)								
Humbley rang		<1000m, derating required when >1000m									
,			4 E O I D	<60dB	< 62	2dB	< 6	63dB	<64dB	<66dB	
Altitude		<55dB	<58dB	.0000							
Altitude Noise level PHYSICAL		<55dB	< 280B	10002							
Altitude Noise level	×D×H	< 55dB 250 × 828		. 0000		44	2×850×1200ı	mm			
Altitude Noise level PHYSICAL	×D×H			144kg	147kg	44 152kg	2 × 850 × 1200i 190kg	mm 200kg	220kg	230kg	
Altitude Noise level PHYSICAL Dimension W		250 × 828	×868mm		147kg				220kg	230kg	
Altitude Noise level PHYSICAL Dimension W Net weight		250 × 828	×868mm				190kg		220kg	230kg	

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