



The Megapower smallest footprint transformer-less parallel redundancy online UPS series, featured with smallest footprint cabinet, built-in batteries, DSP Control, Common Battery, Programmable battery voltage, 3-level intelligent charge mode with powerful battery charger, is an ideal budget-concerned solution to your server, bank, industrial equipment, internet data center, telecom, IT equipment and other mission-critical application.

### Features

- Smallest Footprint Design
- DSP-controlled Technology
- Parallel Redundancy up to 4 units
- Wide Input Voltage and Frequency Windows
- Unity Power Factor and Low Input Distortion
- Output Power Factor at 0.9
- ECO Mode for Energy Saving
- Common Battery
- Programmable Battery Voltage from +/-96Vdc to +/-240Vdc
- Built-in Batteries makes UPS ready to Use
- Matching Battery Packs
- 3-level Intelligent Charge Modes with Smart Charge Current Adjustment
- Powerful Charger up to 20A
- Versatile Communication Interfaces Provided For different applications
- Superior Overload Capability
- Programmable Control and Monitoring Software via RS232 port
- Emergency Power Off
- DC Start

## Megapower Smallest Footprint Parallel UPS YDC3300 Series

YDC3310S | YDC3310H | YDC3315S | YDC3315H  
YDC3320S | YDC3320H | YDC3330S | YDC3330H  
YDC3340H

# YDC3300 series Technical Specifications:

MODEL		YDC3310S/H	YDC3315S/H	YDC3320S/H	YDC3330S/H	YDC3340H
Capacity (VA/Watts)		10K / 9K	15K / 13.5K	20K / 18K	30K / 27K	40K / 36K
INPUT						
Nominal voltage		380/400/415Vac, (3Ph+N+PE)				
Operating voltage range		208~478Vac				323~478Vac
Operating frequency range		45-55Hz at 50Hz/54-66Hz at 60Hz (auto sensing)				
Power factor		≥0.99				
Harmonic distortion (THDi)		≤3% (100%non-linear load )				
Bypass voltage range		220Vac Max.voltage: +25%(optional +10%,+15%,+20% ) 230Vac Max.voltage: +20%(optional +10%,+15% ) 240Vac Max.voltage: +15%(optional +10% ) Min. voltage: -45% (optional -20%,-30%) Frequency synchronize tracing range: ±10%				
Generator input		Support				
OUTPUT						
Output voltage		380/400/415Vac (3Ph+N+PE)				
Voltage regulation		±1%				
Power factor		0.9				
Output frequency		Line Mode: synchronize with input; when input frequency > ±10% (±1%/±2%/±4%/±5% optional), output (50/60±0.1)Hz. Battery Mode:(50/60±0.1)Hz				
Crest factor		3:1				
Harmonic distortion (THD)		≤2% with linear load ≤5% with non linear load				
Efficiency		≥93.5%			≥94.5%	
SYSTEM FEATURES						
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms				
Overload	Line Mode	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% to bypass.				Load≤110%: last 60min, ≤125%: last 1min, >125% transfer to bypass.
	Bat. Mode	Load≤110%: last 10min,≤125%: last 1min,≤150%: last 10S,≥150% shut down UPS immediately				Load≤110%: last 10min, ≤125%: last 1min, >125% shut down UPS immediately
	Bypass Mode	Breaker 20A	Breaker 32A	Breaker 40A	Breaker 63A	Breaker 80A
Alarm		overload, utility abnormal, UPS fault, battery low, etc.				
Protection		short circuit, overload, over temperature, battery low, fan fault alarm.				
Communication		USB, RS485, Parallel port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional)				
ENVIRONMENTAL						
Operating temperature		0℃~40℃				
Storage temperature		-25℃~55℃(no battery)				
Humidity range		0~95% (non condensing)				
Altitude		< 1500m. De-rating when >1500m				
Noise level		<55dB				<58dB
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				

Standard Unit					
Model	Weight	Dimension(WxHxD)mm	Battery DC Voltage	Built-in Charger	Built-in Battery Quantity
YDC3310S	95kgs	250*868*828	+/-120Vdc **	1.35A	20pcs 12V/9AH(Max. 40pcs)
YDC3315S	147kgs			2.70A	40pcs 12V/9AH
YDC3320S	225kgs			4A	60pcs 12V/9AH

Long Backup Unit					
Model	Weight	Dimension(mm)	Battery DC Voltage	Built-in Charger	Built-in Battery Quantity
YDC3310H	42kgs	250*868*828	+/-96V / +/-108V / +/-120V **	10A	N/A
YDC3315H	45kgs				
YDC3320H	45kgs				
YDC3330H	66kgs		20A		
YDC3340H	73kgs				

Matching Battery Pack			
Model	Weight	Dimension(mm)	Built-in Battery Quantity
YDC-BT80009	243kgs	250*868*828	80pcs 12V/9AH

Specifications subject to change without prior notice.

\*\*For YDC3310S(H)~YDC3330S(H), with 16/18/20pcs batteries installed, the power factor will be 0.7/0.8/0.9 respectively.  
For YDC3340H: with 32/34/36/38/40pcs batteries installed, the power factor remains 0.9.



## KSTAR

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### Features

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- DSP-controlled Technology
- Parallel Redundancy up to 4 units
- Wide Input Voltage and Frequency Windows
- Unity Power Factor and Low Input Distortion
- Output Power Factor at 0.9
- ECO Mode for Energy Saving
- Common Battery
- Programmable Battery Voltage from +/-192Vdc to +/-240Vdc
- Matching Battery Packs
- 3-level Intelligent Charge Modes with Smart Charge Current Adjustment
- Powerful Charger up to 40A
- Versatile Communication Interfaces Provided For different applications
- Superior Overload Capability
- Programmable Control and Monitoring Software via RS232 port
- Emergency Power Off
- DC Start

## Megapower Smallest Footprint Parallel UPS YDC3300 Series

YDC3360H | YDC3380H

YDC3300 series Technical Specifications:

MODEL		YDC3360H	YDC3380H
Capacity (VA/Watts)		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)	
Power factor		≥0.99	
Harmonic distortion (THDi)		≤3% (100%non-linear load )	
Bypass voltage range		220Vac Max.voltage: +25%(optional +10%,+15%,+20% )	
		230Vac Max.voltage: +20%(optional +10%,+15% )	
		240Vac Max.voltage: +15%(optional +10% )	
		Min. voltage: -45% (optional -20%,-30%)	
		Frequency synchronize tracing range: ±10%	
Generator input		Support	
OUTPUT			
Output voltage		380/400/415Vac (3Ph+N+PE)	
Voltage regulation		±1%	
Power factor		0.9	
Output frequency		Line Mode: synchronize with input; when input frequency > ±10% (±1%/±2%/±4%/±5% optional), output (50/60±0.1)Hz. Battery Mode:(50/60±0.1)Hz	
Crest factor		3:1	
Harmonic distortion (THD)		≤2% with linear load	
		≤5% with non linear load	
Efficiency		94.50%	
BATTERY			
Battery voltage		±192V/±204V/±216V/±228V/±240Vdc(32/34/36/38/40pcs optional)	
Charge Current(A)		Max. 40A	
SYSTEM FEATURES			
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms	
Overload	Line Mode	Load≤110%: last 60min, ≤125%: last 1min, >125% transfer to bypass.	
	Bat. Mode	Load≤110%: last 10min, ≤125%: last 1min, >125% shut down UPS immediately	
Alarm		overload, utility abnormal, UPS fault, battery low, etc.	
Protection		short circuit, overload, over temperature, battery low, fan fault alarm.	
Communication		USB, RS232, RS485, Parallel port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional)	
ENVIRONMENTAL			
Operating temperature		0℃~40℃	
Storage temperature		-25℃~55℃(no battery)	
Humidity range		0~95% (non condensing)	
Altitude		< 1500m. De-rating when >1500m	
Noise level		<63dB	
PHYSICAL			
Dimension D×W×H (mm)		828x360x868	
Net weight (kg)		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	

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