

UPS  
Model:

## YP-Repro

(15 kVA - 900 kVA)



Frequency

40 - 70 Hz

Phase

3

Power Factor

1

Power (VA)

15 - 900 kVA

Rated Voltage

400 VAC

### Additional Information

- The compact, high-density design with full hot-swap capability for both power and bypass modules ensures uninterrupted operation, safeguarding your load at all times. With a power factor of 1 (kW = kVA), it delivers maximum active power consistently. Achieving up to 99.3% efficiency in ECO Smart mode, it provides substantial energy savings by using both bypass and inverter to supply power to the load, ensuring zero transfer time during outages.
- Up to 4 units can be connected in parallel (up to 3.6 MW) for increased power capacity or redundancy. Its long-lasting components help lower Total Cost of Ownership (TCO), with the Energy Saver feature rotating power module operation for enhanced efficiency and durability. Designed to minimise the impact on generators, it helps avoid oversizing.
- An optimised footprint allows for versatile installation in various environments. The central bypass simplifies installation, ensuring balanced load distribution and reducing the risk of system overload. The variable battery string configuration can be adjusted via the LCD for flexible installation, while the minimum battery voltage can be set based on discharge current, optimising battery usage and extending lifespan.
- High-quality, long-life capacitors offer up to 10 years of performance under optimal conditions. Additionally, a cold start function is included for added convenience.

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[www.yorpowers.com](http://www.yorpowers.com)

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MODEL	YP-Repro 15 - 900										
POWER	kVA	15			25			75			
	kW	15			25			65			
INPUT	Rated Voltage	400 Vac three-phase with neutral									
	Voltage tolerance	20% @100% load, -40% ~-20% @50% load									
	Rated frequency	40 - 70 Hz									
	Power factor	≥0.99									
	Current distortion (THDI)	<3%									
OUTPUT	Rated Voltage	380/400/415 Vac three-phase with neutral									
	Voltage stability	±1% (static)									
	Frequency	50/60 Hz									
	Frequency stability	±0.01% (free running)									
	Power factor	1									
	Crest factor	3:1									
	Voltage distortion	≤3% with linear load, ≤6% with distorting load									
	Permissible overload	110% for 60 minutes, 125% for 10 minutes, 150% for 1 second									
BATTERY	Battery Cabinet	modular			classic						
	Battery architecture	modular, 4 strings			separate cabinet						
	Number per string (batt 12V)	40			32-44 configurable						
	Max. charging current *	3 A per module			5 A per module			15 A per module			
EFFICIENCY	VFI mode	Up to 95.3%			Up to 95.6%			Up to 96%			
	ECO smart mode				99.30%						
	Battery mode	Up to 95.2%			Up to 95.5%			Up to 95.7%			
BYPASS	Rated Voltage	380/400/415 V three-phase + neutral									
	Voltage tolerance	-40% to +20% (selectable)									
	Frequency	50/60 Hz									
	Frequency tolerance	50/60 Hz±4%						50/60 Hz±6%			
GENERAL	Cabinet Model	TH COMBO60-00	TH R30-00	TH R60-00	TH R120-00	TH R150-00	TH R250-00	TH R450-00	TH R600-00	TH R900-00	
	Module power (kVA)	15			25			75			
	Power modules that can be installed	Up to 4	Up to 2	Up to 4	Up to 8	Up to 6	Up to 10	Up to 6	Up to 8	Up to 12	
	Cabinet dimensions (WxDxH) mm	600x1100x2000	442x800x662	442x800x840	442x800x1195	600x1000x1600	600x1000x2000	900x1000x2000	1200x1000x2000	1800x1000x2000	
	Weight (kg)	444	120	164	263	284	410	650	800	1200	
	Protection class	IP20									
	Parallel connection	up to 4									
	User Interface	7" colour LCD touch screen									
CONNECTIVITY	Built-in communication ports	USB, 1 additional slot, EPO, RS485-ModBus, RS232 GEN, BCB, 4 in/8 out relay with dry contacts				USB, 1 additional slot, EPO, BFP, RS485-ModBus, RS232 GEN, BCB, 4 in/8 out relay with dry contacts					
	Optional accessories	Cards: SNMP, battery temperature sensor									
ENVIRONMENTAL PARAMETERS	Operating temperature**	0 - 40°C									
	Relative humidity	0 - 95% (without condensing)									
	Altitude (a.s.L)	<1000 m with no power derating, >1000 m with 1% derating for every 100 m.									
REGULATIONS	Audible noise at 1 m	<70 dBA									
	Standards	IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3									
	Marking	CE, UKCA									

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