

UPS
Model:

YP-Centro Zen

(10 - 40 kVA)



Frequency	Phase	Power Factor	Power	Rated Voltage
40 - 70 Hz	3	08.25 - 0.9	10 - 40 kVA	400 V

Additional Information

- The YP-Centro Zen 10-40 kVA three-phase Centralized Power Supply System (CPS) is specifically designed to comply with EN 50171 standards, ensuring reliable power protection for all safety and emergency systems. It comes with a third-party certification (IMQ) that verifies its full compliance with current regulations, providing maximum safety for users and peace of mind for consultants, retailers, and installers.
- Built to last with an IP20-rated, heat- and fire-resistant enclosure (in line with EN 60598-1), the YP-Centro Zen is compact and easy to install, even in tight spaces. It features a wide array of audible and visual alarms to keep everything in check. The system also accurately calculates remaining autonomy, which can be viewed in real-time on its intuitive backlit LCD display with LEDs and function keys.
- Always ready for action, the YP-Centro Zen can be cold-started without mains power and delivers up to 120% of its rated power with its high overload capacity. Its efficiency of up to 98% and four operating modes—including a mixed operation mode with both Always Powered (SA) and Emergency Only (SE) outputs—allow for substantial energy savings and lower operational costs. Note that the optional mixed mode kit is required for this function.
- For added safety, the YP-Centro Zen is equipped with protection against battery polarity reversal and short-circuit, ensuring no damage occurs even in case of incorrect installation. The risk of blowing fuses during commissioning is also eliminated. Additionally, the internal manual bypass feature allows power to continue flowing to connected devices during maintenance or repairs, preventing downtime and enhancing user security.

Unit 2, Hurricane Close, Sherburn in Elmet, Leeds, LS25 6PB, United Kingdom
+44 1977 688155 • sales@yorpower.com

www.yorpower.com

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MODEL		YP-Centro Zen 3/3 10 kVA	YP-Centro Zen 3/3 20 kVA	YP-Centro Zen 3/3 30 kVA	YP-Centro Zen 3/3 40 kVA
POWER	kVA	10	20	30	40
	kW	9	17	27	33
INPUT	Rated Voltage	400 V three-phase with neutral			
	Voltage tolerance	±20%			
	Rated frequency	40 – 70 Hz			
	Power factor	≥0.99			
	Current distortion (THD)	≤ 4% at full load	≤ 3% at full load		
OUTPUT	Rated Voltage	380/400/415 V three-phase+neutral			
	Voltage stability	±1% (static load)			
	Frequency	50/60 Hz			
	Frequency stability	±0.01% (free running)			
	Power factor	0.9	0.85	0.9	0.825
	Crest factor	3:1			
	Voltage distortion	≤2% with linear load, ≤5% with distorting load			
	Permissible overload	120% permanent load, 125% for 10 minutes, 150% for 1 minute			
BATTERY	Number per string (batt 12V)	40 pcs			
	Common battery for parallel configuration	Supported			
	Internal battery (optional)	Up to blocks 40 12 V 7/9 Ah batteries		N/A	
	Max. charging current**	12.9 A	14.5 A	24.7 A	28 A
	Cold start from the battery without mains power	Included			
EFFICIENCY	VFI mode	Up to 95%			
	ECO mode	Up to 98%			
	In battery	Up to 94%			
BYPASS	Rated Voltage	380/400/415 V three-phase+neutral			
	Voltage tolerance	Basic window ±10% (programmable ±5% – ±15%) Critical window ±25% (programmable ±16% – ±30%)			
	Frequency	50/60 Hz			
	Frequency tolerance	±1 Hz / ±3 Hz (selectable)			
	Protection	Fuses			
GENERAL	Dimensions (WxDxH) mm	260x850x890 (including wheels)			
	Weight (kg)	74	76	85	88
	Alarms	Audible and visual alarm alerts for: incorrect battery polarity, short circuit, power failure, low battery, bypass transfer, and UPS fault, etc			
	Operating mode	Multimode: VFI, ECO, Emergency (SE), Mixed mode (SA and SE with separate outputs)			
	Cold start from the battery without mains power	Included			
	Protection	Battery polarity, short circuit, overload, overheating, deep discharge, overcharging			
	Protection class	IP 20			
	Parallel connection	Up to 6 units			
CONNECTIVITY	User interface	4.3" colour LCD touch screen display with removable SD card			
	Built-in communication ports	USB, RS232, EPO, 3 out dry relay contacts (programmable) and two additional slots for optional cards			
	Optional accessories	Cards: SNMP, RS485, ModBus, 6 in/6 out dry relay contacts, touch panel for remote monitoring, Mixed mode kit			
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.			
	Audible noise at 1 m	<52dB		<55dB	
REGULATIONS	Standards	EN50171, IEC EN 62040-1, IEC EN 62040-2, IEC EN62040-3			
	Marking	CE, UKCA			

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