

Centric UPS

Three phase modular

400 Vac



25 to 1000 kVA/kW

- True online batteries, double conversion VFI topology
- Easy to scale modular design
- User-friendly graphic interface
- Small footprint
- Lightweight hot swappable 25 kVA modules, <17 kg
- Li-ion compatible
- Parallel system capability

Centric UPS

Technical specifications

CENTRIC UPS BASE	50 kVA/kW		100 kVA/kW				200 kVA/kW							
Topology	True online battery, double conversion, VFI													
Construction	Modular parallel hot swappable modules													
Power per system	25 - 200 kVA/kW													
Parallel capability	5 units*													
INPUT														
Grid type	3 x 400 V (4 wires + Gnd)													
Voltage range	+10 % / -10 % (down to -20 % with linear derating)													
Maximum current	3 x 42 A per module													
Frequency range	40-70 Hz													
Power walk-in	<60 s, selectable													
Power factor	>0.99													
THDi	Up to 5 %													
In-rush current	None													
Bypass voltage tolerance	Selectable													
OUTPUT														
Rated power	25-200 kVA/kW													
Grid type	3 x 380 /400 /415 Vac (4 wires + Gnd)													
Frequency	50/60 Hz													
Frequency tracking range	±(0.5, 1, 2, 3, 4) Hz, selectable													
Frequency slew rate	≤1 Hz/s													
Frequency (in free-running mode)	50/60 Hz ±0.1 %													
Static voltage regulation	±1 %													
Regulation for 100% unbalanced load	±1 %													
Dynamic response to 100% load step	±2 %													
Overload withstand (inverter mode)	Up to 110 % : continuous; 110 - 125 % : 10 min													
THDv	Linear load: <2 %													
Crest factor (max)	3													
AC/AC efficiency	Up to 95.5 %													
DC/AC efficiency	Up to 97.5 %													
BATTERIES														
DC-link voltage	±360 V													
Battery location	Internal**		External											
Configuration	60 x 12 V													
Type	Sealed, lead-acid, Li-ion													
GENERAL														
Back-feed protection	Included													
Operating temperature	-10 °C to + 40 °C													
Storage temperature	-20 °C to +60 °C													
Relative humidity	95 % maximum, non-condensing													
Enclosure	IP20													
Cooling system	Multi-fan with speed control (forced air)													
DESIGN & MANUFACTURING STANDARDS														
Safety	IEC 62040-1													
EMC	IEC 62040-2													
Design classification	IEC 62040-3													
DIMENSIONS														
	50 kVA/kW**		100 kVA/kW				200 kVA/kW							
# of power modules	1	2	1	2	3	4	1	2	3	4	5	6	7	8
Power output (kVA/kW)	25	50	25	50	75	100	25	50	75	100	125	150	175	200
Height, Width, Depth (mm)	1570 x 540 x 757		965 x 540 x 757				1230 x 540 x 757							
Weight (kg)	57	74	100	117	134	151	167	184	201	218	235	252	269	286
Weight of power module (kg)	16.8													

All specifications are under nominal conditions. Due to continuous improvements, specifications are subject to change.

*Contact HQ for more information/options.

**Internal battery option for 50kVA/kW base only.

***600 x 540 x 757mm without internal batteries.