

# CENTRIC

## MODULAR UPS

Scalable from 25 to 1000kVA/kW



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# CENTRIC SYSTEM SPECIFICATIONS

CENTRIC MODEL														
Topology	True online battery, double conversion, VFI													
Construction	Modular parallel hot-plugged modules and STSW													
Operation	Continuous													
Power per system	25-200 kVA/kW													
Parallel capability	5 systems*													
INPUT														
Voltage	3 x 400V (4 wires + Gnd)													
Voltage range	360-460V full power, (down to 320V with linear derating)													
Current	3 x 42A per module													
Frequency Range	40-70Hz													
Power Factor	>0.99													
THDi	<3% at 100% load													
Bypass voltage tolerance	Selectable													
OUTPUT														
Rated power	25-200kVA/kW													
Voltage	3 x 380/400/415Vac (4 wires + Gnd)													
Frequency	50/60Hz													
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	up to 110 % : continuous; 110-125 % : 10 min; 126-150 % : 60 s													
THDv	Linear load: <2%; non-linear load: <6%													
Crest Factor (max)	3													
AC/AC efficiency	up to 95%													
BATTERIES														
DC-link voltage	±360V													
Type	Sealed, lead-acid, Li-ion													
GENERAL														
Maximum power dissipation	N*1200W (N*4095 BTU/h), where N = # modules													
Operation Temperature	-10 to +40°C													
Storage Temperature	-20 to +60°C													
Relative humidity	95% maximum, non-condensing													
Altitude	1500m without derating													
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														
UPS BASE	50kW**		100kW				200kW							
# 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 (mm)	1570 with battery (600 w/o battery)		965				1230							
Width (mm)	540													
Depth (mm)	757													
System weight (kg)	60	80	103	123	143	163	170	190	210	230	250	270	290	310
Weight of power module (kg)	19.6													

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.

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