



**GAMATRONIC**

A SolarEdge Division



**CENTRIC 480**

**MODULAR UPS**

Scalable from  
30kW to 960kW



**GAMATRONIC, A SolarEdge Division**

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# CENTRIC 480 Technical Specifications

CENTRIC 480 MODEL								
Topology	True online battery, double conversion, VFI							
Construction	Modular parallel hot-plugged modules and STSW							
Power per system	240kVA/kW							
Parallel capability	4 systems*							
INPUT								
Voltage	3x480 Vac, 4 wires + Gnd or 3 wires + Gnd							
Voltage range	408-552V (down to 240V with linear derating)							
Current	3 x 38A per module							
Rectifier frequency	40-70Hz							
Power Factor	>0.99							
THDi	<3% at 100% load							
Bypass voltage tolerance	Selectable							
OUTPUT								
Rated power	240kVA/kW							
Voltage	3x480 Vac, 4 wires + Gnd or 3 wires + Gnd							
Frequency	50/60Hz							
Frequency tracking range	$\pm(0.5, 1, 2, 3, 4)$ Hz, selectable							
Frequency slew rate	<1Hz/s							
Frequency (in free-running mode)	60Hz $\pm 0.1$ %							
Static voltage regulation	$\pm 1$ %							
Regulation for 100% unbalanced load	$\pm 1$ %							
Dynamic response to 100 % load step	< $\pm 2$ %							
Overload withstand (inverter mode)	up to 110% : continuous; 110-125% : 10 min; 126-150% : 60s							
THDv	Linear load:<2%							
Crest Factor (max)	3							
AC/AC efficiency	up to 96.8%							
BATTERIES								
DC-link voltage	$\pm 240$ -360V							
Type	Sealed, lead acid, Li-ion							
GENERAL								
Maximum power dissipation	N*1250W (N*4265.2 BTU/h), where N = # modules							
Operation temperature	+14 - +104 °F/ -10 - +40°C							
Storage temperature	-4 - +140 °F/ -20 - +60°C							
Relative humidity	95%, max., non-condensing							
Altitude	4921ft / 1500m without derating							
Enclosure	IP20							
Cooling system	Multi-fan with speed control (forced air)							
DESIGN & MANUFACTURING STANDARDS								
Safety	UL 1778 (5 <sup>th</sup> edition), IEC 62040-1							
EMC	FCC part 15/B, IEC 62040-2							
Design classification	IEC 62040-3							
Low magnetic field radiation	EMF as per ICNIRP							
DIMENSIONS								
# of power modules	1	2	3	4	5	6	7	8
Power output (kVA/kW)	30	60	90	120	150	180	210	240
Height, Width, Depth (in/mm)	H= 80 / 2015, W= 24 / 600, D= 41 / 1035							
System weight (lb/kg)	454 / 206	495 / 225	583 / 264	624 / 283	712 / 323	753 / 342	840 / 381	881 / 400
Weight of power module (lb/kg)	44 / 20							

All specifications are under nominal conditions.

Due to continuous improvements, specifications are subject to change.

\* Contact HQ for more information/options.

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