



GAMATRONIC

A SolarEdge Division



CENTRIC 300

MODULAR UPS

Scalable from
30 to 1200 kVA/kW



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CENTRIC 300 SYSTEM SPECIFICATIONS

CENTRIC 300 MODEL										
Topology	True online battery, double conversion, VFI									
Construction	Modular parallel hot-plugged modules and STSW									
Power per system	300 kVA/kW									
Parallel capability	4 systems*									
INPUT										
Voltage	3 x 380/400/415V (4 wires + Gnd)									
Voltage range	340-459V (down to 200V with linear derating)									
Current	3 x 46A per module									
Frequency range	40-70 Hz									
Power walk-in	<60s, selectable									
Power Factor	>0.99									
THDi	<3% at 100% load									
In-rush current	None									
Bypass voltage tolerance	Selectable									
Output										
Rated power	30-300 kVA/kW									
Voltage	3 x 380/400/415 Vac (4 wires + Gnd)									
Frequency	50/60Hz									
Frequency tracking range	±(0.5, 1, 2, 3, 4Hz), selectable									
Frequency (in free-running mode)	50/60Hz ±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; 126-150% : 60s									
THDv	Linear load:<2%									
Load CF (max)	3									
AC/AC efficiency	up to 96.5%									
ECO mode efficiency	up to 99%									
BATTERIES										
DC-link voltage	±360V									
Type	Sealed, lead-acid, Li-ion									
GENERAL										
Maximum power dissipation	N*1250W (N*4265.2 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										
# of power modules	1	2	3	4	5	6	7	8	9	10
Power output (kVA/kW)	30	60	90	120	150	180	210	240	270	300
Height, Width, Depth (mm)	H=2015, W=600, D=1035									
Weight (kg)	230	250	270	290	310	330	350	370	390	410
Weight of power module (kg)	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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