

B300 UPS

Three phase modular

400 Vac



30 to 1200 kVA/kW

- Easy to scale modular design
- Lightweight hot swappable 30kVA power modules, <20kg
- Parallel system capability
- User-friendly graphic interface
- High efficiency in double conversion, 96.5%
- ECO mode, up to 99% efficiency
- Removable static switch
- Li-ion compatible
- Self-loading
- Intuitive and easy-to-use 7" touchscreen interface
- Internal manual bypass switch

/ B300 UPS

Technical specifications

BASE MODEL		B300									
Topology	True online battery, double conversion, VFI										
Construction	Modular, parallel, hot swappable power module										
Power per system	30-300 kVA/kW										
Parallel capability	4 units*										
INPUT											
Grid type	3 x 400 Vac (4 wires + Gnd)										
Voltage range	+10 % / -15 % (down to -20 % with linear derating)										
Maximum current	3 x 46 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	30-300 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; 126 -150 % : 60 s										
THDv	Linear load : <2 %										
Crest factor (max)	3										
AC/AC efficiency	Up to 96.5 %										
DC/AC efficiency	Up to 98 %										
ECO mode efficiency	Up to 99 %										
BATTERIES											
DC-link voltage	±360 V										
Battery location	External										
Configuration	60 x 12 V										
Type	Sealed, lead-acid, Li-ion										
GENERAL											
Back-feed protection	Optional										
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											
	B300										
# 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)	2015 x 600 x 1035										
Weight (kg)	230	250	270	290	310	330	350	370	390	410	
Weight of power module (kg)	19.9										

All specifications are under nominal conditions.

Due to continuous improvements, specifications are subject to change.

*Contact HQ for more information/options.