



UPS ORION PLUS II (6kVA – 10kVA)



The new series **Orion Plus II** it is ideal for the protection of Mission Critical systems both in the field of telecommunications and computer networks, where risks associated with power supply can compromise service continuity with obvious risks for users and high costs.

The series is available in 6 and 10kVA single-phase input and output models, with double conversion On Line technology, as defined by the IEC EN 62040-3 standard.

The new series **Orion Plus II** it has been further developed to obtain even more power available with an output Power Factor equal to 1 (kVA=kW) and thus obtain greater performance; it can be installed in tower and rack versions and is made with latest generation technologies and components, to guarantee maximum protection of the powered users, no impact on the power supply line and energy saving.

MAIN FEATURES

- 3 On-Line double conversion
- 3 Parallelable up to 3 units
- 3 PFC and DSP technology
- 3 Power Factor = 1
- 3 ECO Mode
- 3 Wide input range
- 3 Possibility of optimizing the group of accumulator batteries
- 3 EPO (external power off)
- 3 NetAgent/SNMP Card and Alarm Contacts Card (Optional)
- 3 Communication ports: USB, RS232, RS485, Dry Contact, parallel port
- 3 Adjustable display
- 3 Maintenance-free AGM batteries
- 3 Automatic device shutdown and management software via SNMP (compatible with Windows and Linux)

BRAGAMORO

MODEL		Orion Plus II 6kVA	Orion Plus II 10kVA	
Capacity		6kVA / 6kW	10kVA / 10kW	
INPUT	Phase	1 phase (2 wires+ground)		
	Nominal voltage	220/230/240Vac, (1Ph+N+PE)		
	Operating voltage range	110~300VAC ± 3% at 50% load 176~300VAC ± 3% at 100% load		
	Operating frequency range	46-54Hz at 50Hz/56-64Hz at 60Hz (auto sensing)		
	Power factor	≥0.99		
	Harmonic distortion (THDi)	≤4% (100% linear load)		
		≤6% (50% linear load)		
Bypass V range	220Vac Max.voltage: +25% 230Vac Max.voltage: +20% 240Vac Max.voltage: +15% Min.voltage: -45%			
OUTPUT	Phase	1Phase (2 wires+ground)		
	Rated Voltage	220/230/240Vac		
	Voltage regulation	±1%		
	Power factor	1		
	Outputs frequency	Syncro Mode	46-54Hz at 50Hz/56-64Hz at 60Hz	
		Battery Mode	50/60±0.1Hz	
	Crest factor	3:1		
	Harmonic distortion (THD)	≤1% with linear load		
		≤4% with nonlinear load		
	Efficiency (line mode)	94%		
Efficiency (eco mode)	98.5%			
Efficiency (Battery Mode)	99.5%			
Waveform	sinewave too			
BATTERY	Voltage	±96V		
	Recharge Time to 90%	8-10hours (standard)		
	Charging current	4A		
	Battery Socket	bipolar DC socket		
SYSTEM FEATURES	Transfer Time	Utility to battery: 0ms ; Utility to bypass: 0ms Load ≤110%: last		
	Input Connection	10min, ≤125%: last 1min, >125% last 1s		
		50A (input breaker)	63A (input breaker)	
	EPO (optional)	Shut down UPS immediately		
	Battery	Advance Battery Management		
	Communication interface	USB, RS232, Parallel port, SNMP card/Relay card (optional)		
	Input Connection	screw		
Output Connection	screw			
ENVIRONMENT	Operating Temperature	0°C~40°C		
	Storage Temperature	- 25°C~55°C		
	Humidity Range	10~90% (non-condensing)		
	Noise Level	<55dB	<58dB	
PHYSICAL	Dimension WxHxD (mm)	438 (19") x 88 (2U) x 610		
	Net weight (kg)	17	20	
STANDARDS	Safety	CE, IEC/EN62040-1&2,	IEC/EN60950-1	
	EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-6, IEC61000-4-8	IEC61000-4-4, IEC61000-4-5,	
Model		BB-OP-07	BB-OP-07	
BATTERY BANK	Type&Quantity	AGM 12V 7Ah x 16pcs	AGM 12V 7Ah x 16pcs	
	Dimension WxHxD (mm)	19" x 3U x 686		
	Net weight (kg)	48	48	

Note: Technical specifications subject to change without notice

