

# BRAGAMORO

## UPS OCTANS PLUS II (10kVA – 20kVA)

### Tower



The New series **Octans 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 models from 10kVA to 20kVA with three-phase input and single-phase output, with double conversion On Line technology, as defined by the IEC EN 62040 standard.

The new series **Octans 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; in tower execution it is designed and built 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 Switching time 0ms
- 3 PFC and DSP technology
- 3 Power Factor = 1
- 3 Fully digital control (Rectifier, Inverter, Battery Charger)
- 3 ECO Mode
- 3 Backfeed Protection (optional)
- 3 Parallelable
- 3 Possibility of optimizing the battery pack
- 3 EPO (External Power Off)
- 3 SNMP Card, Modbus and Alarm Contact Card (Optional)
- 3 Communication ports: USB, RS232, RS485, Dry Contact, parallel port Automatic
- 3 device shutdown and management software via SNMP (compatible with Windows and Linux)

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MODEL	Octans Plus II 10kVA	Octans Plus II 15kVA	Octans Plus II 20kVA
Capacity	10kW	15kW	20kW
<b>INPUT</b>			
<i>ThreePhase &amp; Ground</i>			
Three Phase	3P+N+PE (or 1P+N+PE)		
Nominal voltage	380/400/415Vac 3P (or 230Vac 1P)		
Operating voltage range	110- 300 VAC @ 50% load 176- 276 VAC @ 100% load		
Operating frequency range	46- 54Hz at 50Hz/56- 64Hz at 60Hz (auto sensing)		
Power factor	≥0.99		
Harmonic distortion (THDi)	<3% (100% linear load) <5% (100% non-linear load)		
<b>OUTPUT</b>			
<i>Single Phase&amp;Ground</i>			
Outputs voltage	220/230/240Vac		
Voltage regulation	±1%		
Power factor	1		
Output frequency	50/60±0.1Hz		
Crest factor	3:1		
Overloaded	≤110% 60min.; 110- 125% 10min.; 125- 150% 1min.		
WaveForm	Pure Sinewave		
Harmonic distortion (THDv)	≤2% (100% linear load) ≤5% with non-linear load		
Efficiency AC Mode	> 96.5%		
Efficiency ECO Mode	98.5%		
<b>BATTERY</b>			
Efficiency Battery Mode	95.5%		
Battery voltage	240-384Vdc		
Transfer Time	0ms		
Charge Current(A)	1- 12A		
<b>BYPASS</b>			
Transfer time	Utility to bypass: 0ms		
Overloaded	≤110% continuously; 110- 125% 60min.; 125- 150% 10min.		
<b>SYSTEM FEATURES</b>			
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Disc harge timer, and Fault conditions		
Alarm	overload, utility abnormal, UPS fault, battery low, etc.		
Communication	USB, RS485, Parallel port, Coupler dry contact, Intelligent slot SNMP card (optional), Relay card (optional)		
<b>ENVIRONMENTAL</b>			
Operating temperature	0- 40°C		
Storage temperatures	- 25+55°C		
Humidity range	0~95% (non-condensing)		
Altitude	< 1500m.When>1500m,lower the rated power for use		
Noise level	<55dB	<58dB	<58dB
Input/Output connection	Sc rew		
<b>PHYSICAL</b>			
Dimension D×W×H (mm)	626x250x827		
Net weight (kg)	85	127	127
<b>STANDARDS</b>			
Safety	THERE IS. IEC/EN62040-1,IEC/EN60950-1,		
EMC	IEC/EN62040- 2, IEC61000- 4- 2, IEC61000- 4- 5, IEC61000- 4- 6,		IEC61000- 4- 3, IEC61000- 4- 4, IEC61000-4-8
<b>BATTERY</b>			
Battery Type	20pc left AGM 12V 7Ah		32pc left AGM 12V 7Ah

