

BOCAL AFRICA (Pty) Ltd

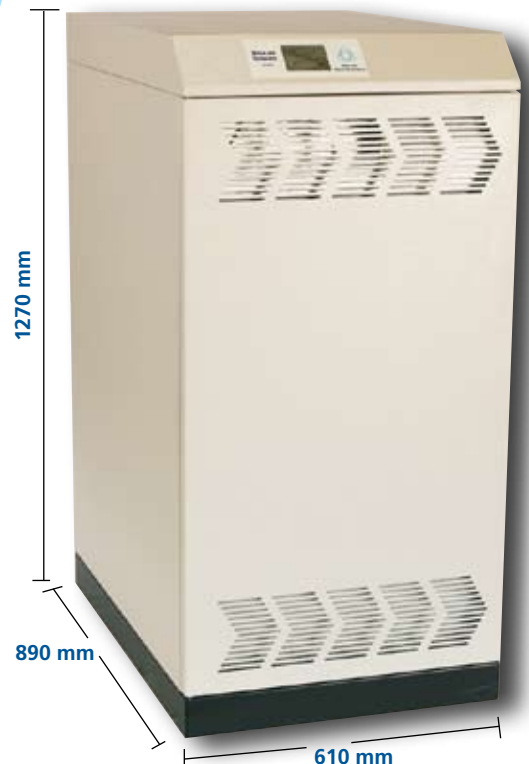
Uninterruptable Power Supply Professionals

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THREE PHASE IN / THREE PHASE OUT ON-LINE UPS TECHNOLOGY

FEATURES

- Double conversion on-line 3 phase UPS system
- Digital Signal Processor design
- Compact, robust, reliable and cost effective
- Built to European standards
- Local design, manufacture and support
- 10 to 30KVA units are "Hot upgradeable" to a maximum of 40KVA output
- Available in 10, 15, 20, 30 and 40KVA
- Intelligent Processor / SNMP capable
- Widely used in the retail markets & industry
- Optional: Wide out of window voltage tolerances above industry standards



Model	10KVA	15KVA	20KVA	30KVA	40KVA
Voltage	380 - 400 - 415V ± 20%				
Frequency	45 - 65Hz	50Hz ± 4%			
Power factor	0.98				
Output					
Voltage - (Line - Line) (Line - Neutral)	380 - 415V 220 - 240V				
Voltage stability - static Voltage stability - Dynamic 0 - 100%	1% <5%				
Power Factor	0.8				
Frequency	50Hz ± 0.1%				
Waveform	Sine				
Harmonic distortion (linear loads) Harmonic distortion (non linear loads)	< 2% < 5%				
Inverter overload 200% Inverter overload 150% Inverter overload 125%	0.1 seconds 30 seconds 5 minutes				
Crest Factor	3 : 1				
BYPASS - Static switch Voltage +/- 15%	380 - 415V 220 - 240V				
BYPASS - Static switch overload	10 times for 100 m Sec				
NB. Maintenance / mechanical BYPASS	yes				
Efficiency (input-output)	>90%				
NB. "Hot Upgradability"	Upgradable to 40KVA				N/A
NB. Remote access without need for laptop / PC for parameter setting	yes				
NB. Graphic display with touch screen without need for laptop / PC	yes				
Battery					
Battery No. of 12V blocks	32 x 8A/H				
Max No. of banks in cabinet	4				
Float Voltage	432V				
Battery discharging	384V				
Low DC off	335V				
Recharge Current	10 amps				
Autonomy 100% @ 0.8 pf (4 Banks)	~ 50 min	~ 30 min	~ 20 min	~ 15 min	~ 10 min
General					
Weight of UPS with 4 set batteries	420kg				
Dimensions of UPS units and extended battery cabinets	D - 890mm H - 1270mm W - 610mm				
Interfacing	Dry Contacts - RS232 for MEGATEC S/W - Ethernet network connection				
Ambient temperature	0 - 40°C - 09% maximum humidity				
Noise level Altitude	50 - 55 dBA @ 1 meter				
Protection (all ranges)					
CIRCUIT BREAKERS AC - rectifier - reserve - bypass - output DC FUSES - internal batteries					
STATIC SWITCH - analog detection - Independant power supply					
ELECTRONIC - peak current limit pulse by pluse - IGBT supervision - overcurrent peak - RMS overload					
GENERATOR COMPLIANT AND SPARES AVAILABILITY ARE LOCAL					
SOFTWARE COMPATIBILITY WITH ASG SENTRY					

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