

## OTTAWA SERIES

On-line UPS double conversion with galvanic isolation from 10 to 400 KVA



### Description

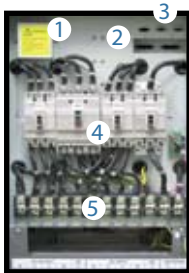


The Ottawa series UPS are high performance power supply systems with three-phase input and three-phase output and galvanic isolation by high performance inverter output transformer designed to supply high-quality power on a permanent basis.

Advanced diagnostics and unit information allow users to monitor system parameters and alarms, check the status of the battery and provide access to the history of events through the system software or multi-language screen.



Ottawa 40 KVA



Frontal connections Ottawa 10-60 KVA

### Features

- > On-line UPS double conversion
- > Three-phase input/three-phase output
- > Microprocessor digital control technology
- > Power: from 10 to 400 KVA
- > Galvanic insulation by output transformer
- > Reduced harmonic distortion
- > RFI filter
- > Acoustic and luminous signalling
- > Reduced harmonic distortion of output signal
- > High efficiency
- > Output power factor 0,8
- > Software included for System Monitoring
- > Extended battery options available
- > Frontal connection type: RS232/ RS485
- > SNMP card (optional)
- > Parallel N+1 (up to 6 units) optional
- > LCD display
- > Manual bypass
- > Battery test

- ① Manual bypass
- ② Paralleled Bus
- ③ Connection ports: RS232/RS485
- ④ Output/Input/battery/bypass switches
- ⑤ Terminals

domestic use

network

data centers

medicine

telecommunications security

industrial



GENERAL SPECIFICATIONS																	
<b>Model</b>	<b>Ottawa</b>																
Reference	Consult models and references depending on power and autonomies																
Power KVA	10	15	20	30	40	50	60	80	100	120	160	200	250	300	320	400	
GENERAL																	
Technology	On Line, double conversion with galvanic isolation																
Efficiency	>90%																
Overload	125% - 15 min. / 150% - 1 min.																
INPUT																	
Voltage range	322~466 Vac																
Frequency	50 Hz ±5%																
OUTPUT																	
Power (KVA/KW)	10/8	15/12	20/16	30/24	40/32	50/40	60/48	80/64	100/80	120/96	160/128	200/160	250/200	300/240	320/256	400/320	
Voltage	400±2% Vac																
Frequency	50Hz ±0.5% (battery mode)																
Type of wave	Pure sinewave																
Harmonic distortion	THD <3% (linear load)																
Crest factor	3:1																
BATTERIES & BACKUP TIME																	
Standard battery	Pb VRLA (lead battery with anti-leak seal)																
Backup time	Up to many hours (depending on connected load)																
INDICATORS																	
LCD display	Operating load/Battery status and voltage/ Input and output voltage measurement / Input and output frequency measurement/Supplied power																
Leds	Mains on/ By-pass /Inverter/Low battery/Overload/UPS failure																
Acoustics	Mains failure, overload, low battery																
COMMUNICATION																	
Control software	UPSilon 2000																
Communications	Connector RS232/RS485 & dry contacts																
Indicators	Automatic functions checking: voltage, input/output frequency, load status, battery capacity, temperature, historic events, system analysis,7 alarms type																
SNMP card (optional)	RS232 SNMP Ethernet converter																
PROTECTION																	
Protections	Current limitation, overload, short-circuit & overtemperature																
Maintenance bypass	Yes																
RFI filter	Yes																
Battery discharge protection	Yes																
STANDARDS																	
Marks	CE																
Directives	EN 62040-1-1:2003 / EN 50091-2:1996																
OTHERS																	
Operation temperature	0-40°C																
Relative humidity	0-95% (non-condensing or ice)																
Altitude without decreasing power	1000 over sea level																
Acoustic level	≤50dBA			≤65dBA													
Dimensions WxHxD (mm)	500x800x1180							1200x800x1600				1800x800x2000 (200/250KVA) 2200x800x2000 (>250KVA)					
UPS Weight * (Kg)	236	240	295	300	355	360	435	685	785	810	995	1700	1800	2350	2350	2580	

\* External batteries, consult weights and dimensions for other autonomies.

Specifications may be changed without notice