

## OTTAWA PLUS SERIES

On-line UPS double conversion from 10 to 60 KVA



### Description

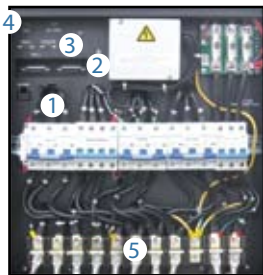


The Ottawa plus series UPS are high performance systems with three-phase input and three-phase output, designed to supply high-quality power on a permanent basis. Ottawa UPS are equipped with an IGBT based active rectifier with PWM technology, which provides Input Power Factor Correction.

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 plus 60 KVA



Frontal connections Ottawa plus

### Features

- > On-line UPS double conversion
- > Three-phase input/three-phase output
- > Power: 10,15,20,30,40,50,60 KVA
- > LCD display
- > Reduced harmonic distortion of output signal
- > High efficiency
- > Extended run time options
- > DC mode start up
- > Software included for System Monitoring
- > PFC: Power factor corrector  $\geq 0.98$
- > SNMP card (optional)
- > Parallel N+1 (up to 6 units) optional
- > Reduced harmonic distortion
- > RFI filter
- > Manual bypass
- > ECO mode
- > EPO: emergency power off
- > Battery test
- > Selectable output voltage 220/230/240 V

- 1 Output/maintenance/input/bypass/battery switches
- 2 Paralleled Bus
- 3 Connection ports: RS232/RS485
- 4 EPO: emergency power off
- 5 Terminals

domestic use

network

data centers

medicine

telecommunications security

industrial



<b>GENERAL SPECIFICATIONS</b>							
<b>Model</b>	<b>Ottawa plus</b>						
Reference	018269	018297	018270	018271	018366	018367	018368
Power KVA	10	15	20	30	40	50	60
<b>GENERAL</b>							
Technology	On Line, double conversion						
Efficiency	≥90%						
Overload	125% - 2 min. / 150% - 10 sec.						
<b>INPUT</b>							
Voltage range	305~ 454 V						
Power factor	≥0,98						
Frequency	50 Hz ±5% (±10% optional)						
<b>OUTPUT</b>							
Power (KVA/KW)	10/8	15/12	20/16	30/24	40/32	50/40	60/48
Voltage	380V/400V/420V ± 2% (selectable)						
Output frequency	50Hz ±0,2% (battery mode)						
Type of wave	Pure sinewave						
Harmonic distortion	THD ≤3% (linear load)						
Crest factor	3:1						
<b>BATTERIES &amp; BACKUP TIME</b>							
Standard battery	Pb VRLA (lead battery with anti-leak seal)						
Backup time	10 mins extended runtime options available						
<b>INDICATORS</b>							
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						
Control buttons	On-off / Screen forward / Acoustic deactivation						
<b>COMMUNICATION</b>							
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)	SNMP Ethernet converter						
<b>PROTECTION</b>							
Protections	Current limitation, overload, short-circuit & overtemperature						
Maintenance bypass	Yes						
RFI filter	Yes						
Battery discharge protection	Yes						
<b>STANDARDS</b>							
Marks	CE						
Directives	EN 62040-1-1:2003 / UNE-EN 50091-2 (1996)						
<b>OTHERS</b>							
Operation temperature	0-40°C						
Relative humidity	0-95% (non-condensing)						
Altitude without decreasing power	1000 over sea level						
Acoustic level	<65dB						
Dimensions WxHxD (mm)	400x800x1180				500x800x1600		
UPS Weight * (Kg)	110	113	120	138	215	235	255

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

Specifications may be changed without notice.



Innovative Energies Ltd  
 1 Heremai Street, Auckland, New Zealand  
 Ph: +64 9 8350700  
 Email: info@innovative.co.nz  
[www.innovative.co.nz](http://www.innovative.co.nz)