ZGR OTTAWA PRO 6 - 300 KVA
ONLINE THREE-PHASE UPS

always ON

PF 0.9

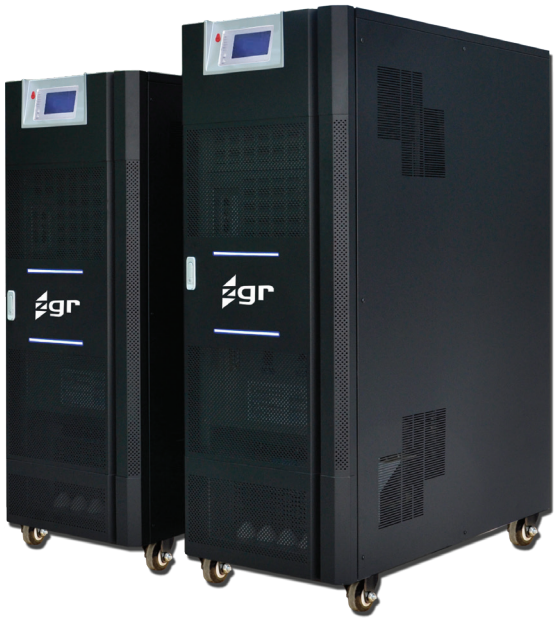
ZGR OTTAWA PRO 3:3
advanced and efficient three-phase technology up to 92%

ZGR OTTAWA PRO expands options with a range from 6KVA to 300KVA and DSP control technology with output isolation transformer, which results it can take all kind of critical loads and achieves an efficiency of up to 92%

In this power range, ZGR OTTAWA PRO offers an PF 0.9 for your consumption which makes it suitable for all types of installations that demand high energy quality and seek the best energy efficiency.

It is an ideal equipment to protect industrial processes, hospitals, data centers, transportation, emergencies, security and telecom.

They are available in dual input version that allows a three-phase auxiliary bypass grid.



ZGR OTTAWA PRO SERIES

APPLICATIONS

INDUSTRY · EMERGENCY · DATA CENTERS · RAILWAY SECTOR · SECURITY · TELECOM

CHARACTERISTICS

- » 3:3 and optional double input
- » Double conversion Online technology, Conversion performed by IGBT & DSP Control
- » Efficiency of 92 %
- » Reduced harmonic distortion
- » Touch screen LCD Display
- » Galvanic insulation by output transformer
- » Output power factor 0.9 (PF 1 optional)
- » Possibility of long autonomies
- » Compatible with generator sets
- » Configurable battery voltage
- » Cold Star and Auto Restart function
- » Integrated input/output/bypass MCB protections
- » GPRS module for mobile network remote monitoring (optional)
- » Built-in redundancy parallel function
- » Double conversion Online (Rectifier/Inverter)
  - Completely insulates the consumption of voltage, frequency and noise variations from the power grid
- » ECO function
  - Minimizes UPS's self-consumption and improves performance
- » Communications
  - RS232/SNMP-RJ45
  - Communication software included
- » Grid Backup Function
  - Allows 2 groups in parallel with 2 independent three-phase grids

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TECHNICAL SPECIFICATIONS															
Model	OTTAWA PRO														
Power kVA	6	10	15	20	30	40	50	60	80	100	120	160	200	250	300
Power factor	0.9 (1 optional)														
Format	Tower / Cabinet														
INPUT ELECTRICAL CHARACTERISTICS															
Voltage range															
Frequency	44- 56 Hz (auto detecting)														
OUTPUT ELECTRICAL CHARACTERISTICS															
Power (kVA/kW)	6/5.4	10/9	15/13.5	20/18	30/27	40/36	50/45	60/54	80/72	100/90	120/108	160/144	200/180	250/225	300/270
Nominal voltage	380 / 400 / 415 Vac (3 phases + N + PE) ± 1 %														
Frequency (battery mode)	50 / 60 Hz ± 0,1 Hz														
Waveform	Pure sinewave														
THD harmonic distortion (100 % load)	< 2 % linear / < 5 % non linear														
Transfer time	0 ms battery / 0 ms bypass														
Permissible peak current	3:1														
Overload	<125% - 10 min. / 150% 1 min.														
EFFICIENCY															
Inverter mode	Up to 92.5 %														
AC mode	Up to 92 %														
ECO mode	Up to 98 %														
BATTERY															
DC bus voltage	384 Vdc (396/408 Vdc adjustable)														480 Vdc
Temperature sensor	External sensor (optional)														
Autonomy	Customizable from 5 minutes to several hours (depends on the battery capacity)														
MONITORING															
Informative	5" touch screen LCD display														
Alarms	Audible and visual alarm for abnormal conditions														
Software	UPSilon 2000														
CONNECTIONS															
Terminal panel	Input / Output / Bypass / Battery														
Protection switch (MCB)	Input / Output / Bypass/Battery														
Bypass input	Yes (principal + bypass)														
Communication	RS232 / RJ45														
SNMP card (optional)	RJ45 SNMP ethernet converter														
FUNCTIONS															
On/OFF with battery (Cold Start)	Yes (allows UPS to run without mains power)														
Auto Restart	Yes (restarts UPS functions after a failure or deep battery discharge)														
ECO mode	Yes														
Emergency power off function (EPO)	Yes														
Parallelable reduadancy	Yes (2 units)														
Bypass operation limits	Configurable														
ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS															
Cooling	Forced with fans														
Operation temperature	0 - 40 ºC														
Acoustic level	≤50dBA					≤65dBA									
Relative humidity	0 - 95 % without condensation														
Dimensions (WxHxL - mm)	400x980x750				410x1080x810			500x1330x980		500x1430x1060		1117x1876x848		1600x1960x1180	
Weight approx.	140	150	165	188	245	275	315	365	445	560	586	1080	1213	1550	1750
STANDARDS															
Marking	CE														
Directives	EN 62040-1-1:2003 / EN 50091-2:1996														
Standards	Safety: EN 62040-1, EMC: EN 62040-2														

FORMAT

TOWER

** These specifications may change without notice.*

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