PRODUCT CATALOG

OGSPOWER
professional solutions

www.ogspower.com

PROFESSIONAL SOLUTIONS

COMPANY PROFILE

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OGSPOWER
professional solutions

OGS Power is a leading Power Electronic developer & manufacturer as well as operator. Our comprehensive portfolio includes Electronic Power Supplies, and Renewable Energy solutions delivered to clients worldwide .

Our excellent quality solutions range includes **Uninterruptible Power Supply (UPS) as Monoblock & Modular – Transformer-basedor Transformer-less1/1& & 3/3 Phase 1KVA to 800KVA, Power Inverters for various applications like Industrial, Home Usage, Solar etc. , Frequency Converters in different voltage parameters especially for Military and Industrial Applications from 10KVA to 800KVA, Battery Charging Rectifier 1P&3P in different voltage tolerances like 12/24/48/110/220DC 1A to 2000A, Voltage Stabilizer 1P & 3P Static and Servo Electronic controlled Automatic Voltage Stabilizers 1KVA to 3000KVA, On/Off-GridSolar Inverters , Customized DC Power Supply , Batteries , Cabinets , Related Spare Parts as well as variety of Generators .** We work with customers on both sides of the meter to reduce operating expenses, upgrade and maintain facilities, stabilize energy costs, improve occupancy comfort levels, increase energy reliability and enhance the environment.

OGS Power has successfully completed Energy environmentally responsible projects with many local and international institutions , schools, healthcare institutions, airports, housing authorities, and commercial and industrial customers. By 25 years experience in the field, OGS Power is a pioneer in the Power Electronic business and achieved to gain wide-ranging clientele over 50 countries all over the World. With dedicated energy and business professionals with years of experience and strong commitment to customer satisfaction and service, OGS Power offers clients the resources needed to successfully plan, execute and even finance the energy program that will create real, sustained economic and operating benefits to fulfill your unique requirements.

Vision and Mission

Our vision and mision at OGS Power is to create the most suitable uninterrupted power supply for related purposes. Our business idea backs up this vision by offering wide range of Electronic Power Supplies at low prices for which everyone can afford. To provide superior quality Power Supply is our main mision which PURCHASERS prefer for their own and customers' Project , EMPLOYEES are proud of , we seek for long-term returns .

Quality Policy

OGS Power is comitted to providing total customer satisfaction by offering the highest quality products to its customers by the most affordable price and specialized technical staff for pre/after-sales service Our employees, suppliers and customers are an integral and indispensable part of our company . However we continue to work without damaging nature and the environment obeying the legal rules.

OGSPOWER
professional solutions

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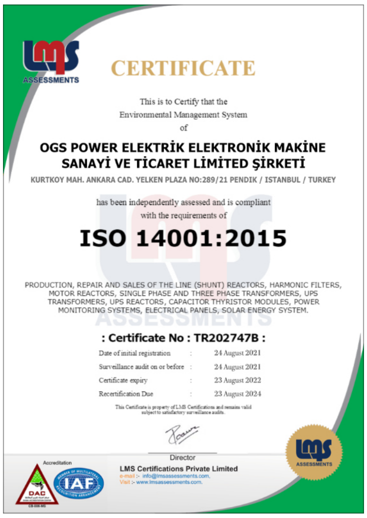
CERTIFICATES



CERTIFICATE

This is to Certify that the
Environmental Management System
of

OGS POWER ELEKTRİK ELEKTRONİK MAKİNE SANAYİ VE TİCARET LİMİTED ŞİRKETİ

KURTKOY MAH. ANKARA CAD. YELKEN PLAZA NO:289/21 PENDIK / ISTANBUL / TURKEY

has been independently assessed and is compliant
with the requirements of

ISO 14001:2015

PRODUCTION, REPAIR AND SALES OF THE LINE (SHUNT) REACTORS, HARMONIC FILTERS, MOTOR REACTORS, SINGLE PHASE AND THREE PHASE TRANSFORMERS, UPS TRANSFORMERS, UPS REACTORS, CAPACITOR THYRISTOR MODULES, POWER MONITORING SYSTEMS, ELECTRICAL PANELS, SOLAR ENERGY SYSTEM.

: Certificate No : TR202747B :

Date of initial registration	24 August 2021
Surveillance audit on or before	24 August 2021
Certificate expiry	23 August 2022
Recertification Due	23 August 2024

This Certificate is property of LMS Certifications and remains valid subject to satisfactory surveillance audits.

Director

LMS Certifications Private Limited

SGS

Certificate of Conformity for commodities and products to be exported to the Kingdom of Saudi Arabia

Certificate No: TR/2018/03/B21550 — Date of issuance: 30-MAR-2018 — Date of assessment: 28-MAR-2018

CERTIFICATE

This is to Certify that the
Quality Management System
of

OGS POWER ELEKTRİK ELEKTRONİK MAKİNE SANAYİ VE TİCARET LİMİTED ŞİRKETİ

KURTKOY MAH. ANKARA CAD. YELKEN PLAZA NO:289/21 PENDIK / ISTANBUL / TURKEY

has been independently assessed and is compliant
with the requirements of

ISO 9001:2015

PRODUCTION, REPAIR AND SALES OF THE LINE (SHUNT) REACTORS, HARMONIC FILTERS, MOTOR REACTORS, SINGLE PHASE AND THREE PHASE TRANSFORMERS, UPS TRANSFORMERS, UPS REACTORS, CAPACITOR THYRISTOR MODULES, POWER MONITORING SYSTEMS, ELECTRICAL PANELS, SOLAR ENERGY SYSTEM.

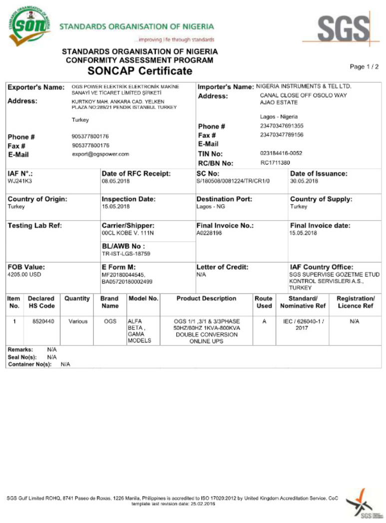
: Certificate No : TR202747A :

Date of initial registration	24 August 2021
Surveillance audit on or before	24 August 2021
Certificate expiry	23 August 2022
Recertification Due	23 August 2024

This Certificate is property of LMS Certifications and remains valid subject to satisfactory surveillance audits.

Director

LMS Certifications Private Limited



STANDARDS ORGANISATION OF NIGERIA
CONFORMITY ASSESSMENT PROGRAM
SONCAP Certificate

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Declaration of Conformity

The Manufacturer of the Products covered by this Declaration is

OGSPOWER

The Directives covered by this Declaration

Directive 89/3136/EEC	EN50091-2
(EMVG, & 4(2))".	EN61000-4-2
Directive 89/3136/EEC	EN61000-4-3

The Products Covered by this Declaration

Uninterruptible Power Supplies by OGS POWER model numbers
ALFA100 & ALFA200 SERIES - BETA200 & GAMA3000 MODELS

The Basis on which Conformity is being Declared

This EC-Certificate of Conformity is issued according to Article 10.2 of the Council Directive 89/336/EEC on the harmonization of the laws of the Member States relating to electromagnetical compatibility. It was transposed into the "Gesetz ober die elektromagnetische Vertraglichkeit von Geraten vom 18 September 1998 (EMVG, & 4(2))".

This certificate does not contain any statement pertaining to the EMC protection requirements governed by other laws to implement EC Directives other than the aforementioned Council Directive 89/336/EEC See also notes overleaf.

The technical documentation required to demonstrate that the products meet the requirements of the Low Voltage Equipment directive has been compiled and is available for inspection by the relevant enforcement authorities. The CE mark was first applied in: 13/07/2010

Signed:

Authority: Kadir ÖZTÜRK – Head of Technical Department

Date: 10/03/2015

With compliments from

OGS Power Elektrik Elektronik Makine San. Ve Tic. Ltd.Şti
www.ogspower.com Telephone: +905377800176 E-mail: export@ogspower.com

PRE-EXPORT VERIFICATION OF CONFORMITY (PVOC)
CERTIFICATE OF CONFORMITY FOR GOODS EXPORTED TO KENYA

LAMBDA SERIES

www.ogspower.com

SINGLE PHASE 500-1000VA BOILER UPS

GENERAL SPECIFICATIONS

- Line lnteractive Design
- Wide lnput Voltage Range
- AVR Automatic Voltage Regulation
- High Reliability With CPU Control
- Cold Start
- Overload And Short Circuit
- Potection LCD Front Panel
- Pure Sine Wave Output Voltage
- Longer Back-up Time With the Additional Battery Pack

TECHNICAL SPECIFICATIONS		
MODEL	LM-500	LM-1000
CAPACITY	500VA/300W	1000VA/600W
INPUT		
Nominal Voltage	220VAC/230VAC/240VAC	
Voltage Range	145-275VAC	
Frequency	50/60 Hz (Auto sensing)	
OUTPUT		
Voltage	220VAC/230VAC/240VAC	
Voltage Range	±5%	
Frequency Range (Battery Mode)	50 Hz or 60 Hz ±1 Hz	
Transfer Time	5ms	
Waveform	Pure Sinewave	
BATTERY		
DC Voltage	12VDC	24VDC
Charging Time	8 hours to 90% capacity after full discharge	
Backup Time	External Battery Design	
INDICATORS		
LCD Panel	Input, Output, Load, Battery, Frequency	
PROTECTIONS		
Full Protection	Over and low voltage protection, overload, discharge and overcharge protection	
ALARMS		
Battery Mode	Sounding every 10 seconds	
Low Battery	Sounding every second	
Overload	Sounding every 0.5 seconds	
PHYSICAL		
Dimensions	305*121*207	
Packing Dimensions	440*407*282 (two pieces)	
Weight kg	7	9

LOTA SERIES

www.ogspower.com

SINGLE PHASE 1000/1500W ROLLING SHUTTER UPS

GENERAL SPECIFICATIONS

- Smart Design
- High Power
- Easy to move
- Remote Control
- External Receiver

PRODUCT CODE	TECHNICAL SPECIFICATIONS LT-1000 / LT-1500
Power	1000/1500 W
Input Voltage & Frequency	220 VAC; 1 Phase / 50-60Hz
Output Voltage & Frequency	220 VAC; 1 Phase / 50-60Hz
Mains Voltage Tolerance	150 -220 VAC
RF Operation Frequency	433,92 MHZ
Battery Type & Life Time	VRLA/ 5 Years
NumberofBattery	2 * 12V 7 Ah
Chargetime&Duration	12 Hrs / 4 Days (100 Hrs)
RemoteDistance	30 m
Indicators	Mains & Inverter voltage LED
Alarms & Warnings	Operation on Battery
Protections	Overload Protection
Operation Temperature	0 - 40C
Net & Lifting weight	6.4 / 160-220 Kg
Sizes	370 x 320 x 150 mm
Option:	External receiver, 42 pcs remote control

KAPPA SERIES

www.ogspower.com

◆ LINE-INTERACTIVE UPS UP TO 2000VA

GENERAL SPECIFICATIONS

- Intelligent CPU Controlled
- Wide Input Range
- Fully AVR
- Cold Start Available
- Automatic Battery Cherging in UPS Off Mode
- Strong Electromagnetism Compatibility
- Self-detection on Startup
- Battery Reclaceable Without Interruption
- Full Protection Against Over Voltage / Low Voltage

TECHNICAL SPECIFICATIONS			
MODEL	KP-650	KP-1200	KP-1500
VA Rating	650VA	1200VA	1500VA
Power Rating	390W	720W	900W
INPUT			
Phase	Single Phase +N		
Voltage	110 / 120 / 220 / 230 / 240V ±25%		
Frequency	50/60Hz ± 10%		
OUTPUT			
Voltage	100 / 110 / 120 / 220 / 230 / 240V ±10%		
Waveform	Sine Wave (Mains (; Square Wave (Battery)		
Frequency	50/60Hz± 1% (Battery)		
Crest Factor	3:1		
Transfer	10 ms		
BATTERY			
Type	Lead Acid Maintenance Free Battery		
Quantity	1x12V 7Ah	2x12V 7Ah	2x12V 9Ah
Recharge	90% Capacity after 8 Hours		
Backup	10~20 Minutes, Depending on Load and Model		
GENERAL			
Transformer	E TYPE		
Surge	RJ11 & RJ45 for Modem and Lan, Cable Attached (Optional)		
Communication	Rs232 or USB (Optional)		
Noise	<45db (1 Meter)		
Temperature	0~40°C		
Humidity	20~90% (non-condensing)		
Net / Gross Weight (kg)	5,7 / 6,2	10,3 / 10,9	13,5 / 14,0
Dimensions (mm)	340x95x165	400x125x220	
Packing Dimensions (mm)	375x145x230	450x180x295	

ALFA100 SERIES

www.ogspower.com

1/1 PHASE 1-10KVA ONLINE UPS

GENERAL SPECIFICATIONS

- DSP Digital Control Technology
- Output Power Factor 0.9
- Fully AVR
- Selectable Charging Current For 6 & 10 kVA (1-3-5-8 Amp)
- Input PFC
- Green Environment-Friendly Model
- Wide Input Voltage Range
- Perfect Protection
- Cold Start and Mains Pwer Start Function
- Generator Compatibility
- Zero Switching
- Intelligent Battery Management
- Friendly Interface

TECHNICAL SPECIFICATION					
MODEL	ALFA101	ALFA102	ALFA103	ALFA106	ALFA110
CAPACITY	1KVA/.9KW	2KVA/1.8KW	3KVA/2.7KW	6KVA/5.4KW	10KVA/9KW
INPUT					
RatedVoltage	208V/220V/230/240VAC				
Voltage Range	Half load (115-295±5VA Full load (145-295) ±5VAC			Half load (115-295) ±5VAC Full load (165-295)±5VAC	
Frequency	45-55Hz±0.5% or 55-65Hz±0.5%(AutoSensing)			40-70Hz±0.5% (Auto Sensing)	
Power factor	≥0.98			≥0.99	
Bypass Voltage Range	Ratedoutput 34V-Rated outputvoltage+32V			160V-Rated output voltage+32V	
OUTPUT					
Voltage	208V/220V/230/240VAC Setting available via LCD				
Voltage Regulation	±1%				
Frequency	Synchronized with utility on AC mode; 50/60±0.2Hz on battery mode				
Waveform	Pure sinewave				
Crest Factor	3:1				
Harmonic Distortion	≤3% (Linear load); ≤5% (Non-linear load)			≤2% (Linearload);≤5% (Non-linear)	
Transfer Time	AC mode to battery mode: 0ms Inverter mode to bypass mode: 4ms (Typical)			AC mode to battery mode: 0ms Inverter mode to bypass mode:0 ms	
Overload Capability	105%-150% ; Transfer to bypass in 30s; >150% : Transfer to bypass in 30ms			105%-125% To bypass after 3mins; 125%-150% : To bypass after 30s >150% : To bypass after 100ms	
EFFICIENCY					
AC Mode	≥90%			≥92%	
Battery Mode	≥87%			≥91%	
ECO Mode	≥98%			≥98%	
BATTERY					
DC Votage	24V	48V	72V	192V	
Inbuilt Battery of Std Model	2*9Ah	4*9Ah	6*9Ah	16*7Ah	16*9Ah
Charge Current Standard Model	1Amp				
Charge Current Long Model	6Amp			1/3/5/8Amp Selectable	
Typical Recharge Time	8 hoursrecoverto90%capacity				
ALARM					
Utility Failure	Beep/4s				
Battery Low	Beep/1s				
Overload	Beep Twice/1s				
UPS Fault	Long Beep				
ENVIRONMENT					
Humidity	20+90% RH @ 0~40°C (non-condensing)				
Noise Level	≤50dB (1m)			≤55dB (1m)	
MANAGEMENT					
Standard RS-232, Optional USB	Supports Windows 98/2000/2003/XP/Vista/2008/7/8				
Optional SNMP	Power management from SNMP manager and web browser				
PHYSICAL					
Dimension(mm) W*D*H	144*410* 215	190*470*341		262*514*735	
Packing Dimen.(mm) W*D*H	230*492*315	320*550*462		360*650*795	
Net Weight (kg)	13	25	29	67	75
GrossWeight(kg)	15	27	31	78	85

ALFA200 SERIES

www.ogspower.com

3/1 PHASE 10-20KVA ONLINE UPS

GENERAL SPECIFICATIONS

- High Frequency and True Double-Conversion
- DSP Digital Control Technology
- Wide Input Voltage Range (110V-300V)
- Output Power Factor 0.9
- Optimized Battery Configuration:192V/240V
- Cold Start
- 50/50 Hz Frequency Adaptive
- Eco Mode Operation For Energy Saving
- 50/50 Hz Frequency Converter Mode
- Selectable Output Voltage via LCD
- Selectable Battery Shutdown Voltage (EOD) via LCD
- Selectable Input Mode via LCD: 3/1 or 1/1
- Advanced Battery Management (ABM)
- Short Circuit and Overload Protection
- Automatically Charging Battery at UPS Off Mode
- Auto Control Fan Speed
- Standard RS232 Communication Port
- Optional Emergency PowerOff (EPO)
- Optional RS485/SNMP/ AS400/USB Communication Port
- Optional External Battery Bank
- Optional Manual Bypass

TECHNICAL SPECIFICATIONS				
MODEL	ALFA210		ALFA220	
CAPACITY	10KVA/9K		20KVA/18KW	
INPUT				
RatedVoltage	3/1: 360V/380V/400V/415VAC; 1/1: 208V/220V/230V/240VAAC Setting available via LCD			
Voltage Range	3/1: Half load (190-520) ±5VAC, Full load (277-520) ±5VAC; 1/1: Half load (110-300) ±5VAC, Full load (160-300) ±5VAC;			
Frequency	40-70Hz±0.5% (Auto sensing)			
Power factor	3/1: ≥0.95; 1/1: ≥0.99			
BYPASS				
Voltage Range	160V-Rated output voltage+32V			
Frequency	50/60Hz±5Hz			
OUTPUT				
Voltage	208V/220V/230/240VAC Setting available via LCD			
Voltage Regulation	±1%			
Frequency	Synchronized with utility on AC mode; 50/60±0.1Hz on battery mode			
Waveform	Pure sinewave			
Crest Factor	3:1			
Harmonic Distortion	≤2% (Linearload); ≤5% (Non-linearload)			
Transfer Time	AC mode to battery mode: 0ms Inverter mode to bypass mode: 0ms			
Overload Capability	105%-125% ; Transfer to bypass after 3mins; 125% -150% ; Transfer to bypass after 30s; >150% : Transfer to bypass after 100ms			
EFFICIENCY				
AC Mode	≥93%			
Battery Mode	≥92%			
ECO Mode	≥98%			
BATTERY				
DC Votage	192V/240VDC (Set up by jumper)			
Inbuilt Battery of Std Model	16*9Ah		Without Batteries	
Charge Current Standard Mod	1Amp		Without Batteries	
Charge Current Long Model	No		7Amp	
Typical Recharge Time	8 hours recover to 90% capacity			
ALARM				
UtilityFailure	Beep/4s			
Battery Low	Beep/1s			
Overload	Beep Twice/1s			
UPS Fault	Long Beep			
ENVIRONMENT				
Humidity	20+90% RH @ 0~40°C (non-condensing)			
Noise Level	≤58dB (1m)		≤60dB (1m)	
MANAGEMENT				
StandardRS-232, OptionalUSB	Supports Windows 98/2000/2003/XP/Vista/2008/7/8			
Optional SNMP	Power management from SNMP manager and web browser			
PHYSICAL				
Dimension(mm) W*D*H	262*580*732		262*580*628	
PackingDimen.(mm)W*D*H	359*687*822		359*687*717	
NetWeight(kg)	74	30	39	40
GrossWeight(kg)	84	36	47	48

BETA100 SERIES

www.ogspower.com

1/1 PHASE 5-15KVA TRANSFORMER-BASED ONLINE UPS

GENERAL SPECIFICATIONS

- Output isolation transformer
- Up to 91% efficiency
- Static by-pass
- LCD front panel
- 64 events memory
- RS232 and relay contacts
- Custom input and output voltage ranges
- SNMP compatible communication
- T-MON remote monitoring software
- Parallel operation
- Manufactured according to EC Directive; EN62040

TECHNICAL SPECIFICATIONS				
MODEL	BETA105	BETA107	BETA110	BETA115
Power (kVA)	5	7	10	15
INPUT				
Voltage	220/230 VAC P + N + G ± 15%			
By-pass voltage	220/230 VAC P + N ± 10%			
Frequency	50Hz / 60Hz ± 5%			
OUTPUT				
Power (kW)	3,25	4,55	7	10,5
Power factor	0.65		0.7	
Voltage	220/230 VAC P+ N ± 1%			
Frequency	50Hz (60Hz on request)			
Frequency tolerance	Line synchronized: ± 2%, free running: ± 0,2%			
Efficiency (at 100% load)	up to 90%		up to 91%	
Crest factor	3:1			
Overload protection	100%-125% load: 10 min., 125%-150% load: 1 min., > 150% load: by pass			
Short circuit protection	Electronic short circuit protection			
Voltage THD	< 3%			
BATTERIES				
Type	Sealed Lead Acid -Maintenance Free			
Number of batteries	16	18	20	
Float charging voltage	216 VDC	243 VDC	270 VDC	
End of discharge voltage	160 VDC	180 VDC	200 VDC	
Battery cabinet	Internal		External	
Battery ambient temperature	25°C			
Battery protection	Automatic circuit breaker			
Battery test	Optional			
GENERAL				
Standards	EN 62040-1, EN 62040-2			
Serial communication	Dry contacts&RS232			
Software	T-MonUPS Management Software (3 clients, +1 server management std.)			
Temperature range	0°C -40°C			
Ventilation	Forced air cooling			
Relative humidity	< 90% (non-condensing)			
Protection degree	IP20			
Altitude	< 2000m			
Acoustic noise	< 45 dBA			
Weight without batteries (kg)	60	75	82	107
Dimensions(mm) HxWxD	595x265x600	645x265x670	720x265x740	775x300x800
OPTIONS				
Special input / output voltage	Please ask			
Input transformer	Galvanic isolation transformer at the input (in external cabinet)			
6kVA&7kVA	Previous, output PF:0.7 versions (4200W -4900W) available on request			
MBS	Maintenance Bypass Switch for complete isolation			
Adaptors	SNMP, MODBUS, Remote Mon. Panel, RS485			
Parallel operation	N+1 (up to 4 units)			

BETA200 SERIES

www.ogspower.com

3/1 PHASE 6-40KVA TRANSFORMER-BASED ONLINE UPS

GENERAL SPECIFICATIONS

- Output isolation transformer
- Up to 91% efficiency
- Static by-pass
- LCD front panel
- RS232 and relay contacts
- Custom input and output voltage ranges
- SNMP compatible communication
- Manufactured according to EC Directive; EN62040
- T-MON remote monitoring software
- Parallel operation up to 4 devices
- 64 events memory

TECHNICAL SPECIFICATIONS

MODEL	BETA206	BETA207	BETA210	BETA215	BETA220	BETA230	BETA240
Power (kVA)	6	7,5	10	15	20	30	40
INPUT							
Voltage	220/380 VAC (230/400VAC) 3P + N + G ± 15%						
By-pass voltage	220/230 VAC P + N ± 10%						
Frequency	50Hz / 60Hz ± 5%						
OUTPUT							
Power(kW)	4,2	5,25	7	10,5	14	21	28
Power factor	0,7						
Voltage	220/230 VAC P + N ± %1						
Frequency	50Hz (60Hz on request)						
Frequency tolerance	Line synchronized:± 2%, free running: ± 0,2%						
Efficiency (100% load)	Up to 90%						
Crest factor	3:1						
Overload protection	100%-125% load: 10 min., 125%-150% load: 1 min				., > 150% load: by pass		
Short circuit protection	Electronic short circuit protection						
Voltage THD	Linear load: < 3% Nonlinear load: < 5%						
BATTERIES							
Type	Sealed Lead Acid -Maintenance Free						
Number of batteries	20			30			
Float charging voltage	270 VDC			405 VDC			
End of dischrg. voltage	200 VDC			300 VDC			
Battery cabinet	Internal for standard time						
Battery temperature	25°C						
Battery protection	Automatic circuit breaker						
Battery test	Optional			Standard			
GENERAL							
Standards	EN 62040-1, EN 62040-2						
Maint. bypass switch	Optional			Standard			
Serial communication	Dry contacts&RS232						
Software	T-MonUPS Management Software (3 clients, +1 server management std.)						
Temperature range	0°C -40°C						
Ventilation	Forced air cooling						
Relative humidity	< 90% (non-condensing)						
Protection degree	IP20						
Altitude	< 2000m						
Acoustic noise	< 50 dBA			< 55 dBA			
Weight w/o batteries	106	110	125	130	195	217	335
Dim. (mm) HxWxD	950x265x740			1240x500x650			1390x575x82
OPTIONS							
Special in/output volt.	Please ask						
Input transformer	Galvanic isolation transformer at the input (in external cabinet)						
Input power factor	Input power factor corrector (> 0.97)						
Adaptors	SNMP, MODBUS, Remote Mon. Panel, RS485						
Parallel operation	N+1 (up to 4 units)						

ALFA3000 SERIES

www.ogspower.com

3/3 SERIES 10-160KVA IGBT RECTIFIER ONLINE UPS

GENERAL SPECIFICATIONS

- Transformer less UPS topology
- Low input current total harmonic distortion (THD)
- High efficiency up to 94%
- Static and maintenance by-pass switch
- Output short circuit and overload protection
- High input power factor
- Automatic battery test, remaining battery time indicator
- Selectable input/ output voltage/ frequency/range
- Temperature compensated charge system (optional)
- 2 RS232 serial ports and 12 dry contact outputs
- 192 events memories (192 events 4500 alarms)
- Cold start function
- 3 DSP controlled modular structure
- External REPO switch input
- Clock and calendar (battery supported)
- Optional SNMP and MODBUS adaptors
- Optional graphical panel
- Optional usb flash memory
- Full digital structure
- Small footprint

TECHNICAL SPECIFICATIONS

MODEL	ALFA3010	ALFA301	ALFA3020	ALFA3030	ALFA3040	ALFA3060	ALFA3080	ALFA3100	ALFA3120	ALFA3160
Power (kVA)	10	15	20	30	40	60	80	100	120	160
INPUT										
Voltage	380/400 VAC 3P + N + G ± 20% (415 VAC +15% , -25% optional)									
Frequency	50Hz / 60Hz, ± 5%									
Power factor (100load)	≥ 0.99									
(THDI) (*)	≤ 3%									
By-pass voltage	380/400 VAC 3 Phase + N, 4 Wires, ± 10%									
Voltage distortion	≤ 10%									
Protection	Fuses, Voltage& Frequency tolerance, Input power limit, Phase sequence indicator									
OUTPUT										
Power (kW)	9	13,5	18	27	36	54	72	90	108	144
Power factor	0,9									
Voltage	380/400 VAC 3P + N, ± 1% (415 VAC optional)									
Frequency	50Hz / 60Hz									
Frequency tolerance	Line synchronized: ± 2% / Free running: ± 0,1%									
Efficiency	Up to 94%									
Crest factor	3:1									
Overload protection	100% -125% load: 10 min, 125% -150% load: 1 min, -> 150% load: by pass									
Other protections	Advanced short circuit, Voltage tolerance, DC balance, Regenerative load, Current limiting									
Voltage THD	< 3% (at 100% linearload)									
BATTERIES										
Type	VRLA AGM / GEL / NiCad									
Nominal voltage	± 360 VDC									
Float-End discharg volt.	± 405 VDC / ± 300 VDC									
Battery cabinet	Internal							External		
Battery temperature	25°C									
Protections	3 level alarms, Battery fuses, Charging current limit, Temperature compensation (optional)									
Automatic testing	Standard every 72 hours (adjustable)									
GENERAL										
Standards	EN62040-1, EN62040-2, EN62040-3									
User interface	4 lines LCD panel, Mimic leds, 5 vector buttons, Buzzer, Optional TFT panel									
Indicators	P-N voltage, P-P voltage, Current, Power, Crest Factor, Frequency, PF, Service Time									
Advanced	Self-diagnostics, 3 maintenance time indicators, Calibration over RS232, operating hrs meter									
Communication	2xRS232 serial ports, 4 standard and 8 optional DRY contact alarm relays									
Inputs	EPO input, Interactive battery panel input, Genset input									
Genset kit	Standard (programmable)									
Software	Standard T-MonUPS Management Software (3 clients + 1 server management)									
Alarm logging	Standard: with time date 512 events									
Protections	Power module over-temperature, over current, Temperature high alarm									
Temperature range	0°C -40°C									
Protection degree	IP20									
Relative humidity	90% max. (non-condensing)									
Acoustic noise	< 57dBA		< 62 dBA			< 64 dBA		< 68 dBA		
Weight w/o batteries	87	87	91	100	173	197	209	220	232	265
Dim. (mm) HxWxD	1040x400x815				1440x515x855					
OPTIONS										
Special in/output vol	Please ask									
Transformer	Galvanic isolation transformer at the input & output									
Software	T-Mon Admin Multi UPS monitoring 10-50-100-200clients, T-Mon Server 50-100-200clients									
Parallel operation	Up to 8									

ALFA3000 SERIES

www.ogspower.com

3/3 SERIES 200-650KVA IGBT RECTIFIER ONLINE UPS

GENERAL SPECIFICATIONS

- Transformer less UPS topology
- Low input current total harmonic distortion (THD)
- High input power factor
- Static and maintenance by-pass switch
- Output short circuit and overload protection
- High efficiency to 94%
- 512 events memories (512 events 45000 alarms)
- Selectable input/ output colt age/ frequency/range
- Automatic battery test, remaining battery time indicator
- Temperature compensated charge system (optional)
- 2 RS232 serial ports and 12 dry contact outputs
- Cold start function
- External REPO switch input
- Clock and calendar (battery supported)
- 3 DSP controlled modular structure
- Optional SNMP and MODBUS adaptors
- Optional graphical panel
- Optional usb flash memory
- Full digital structure
- Small footprint

TECHNICAL SPECIFICATIONS							
MODEL	ALFA3200	ALFA3250	ALFA3300	ALFA3400	ALFA3500	ALFA3550	ALFA3650
Power(kVA)	200	250	300	400	500	550	650
INPUT							
Voltage	380/400 VAC 3P + N + G ± 20% (415 VAC +15%, -25% optional)						
Frequency	50Hz / 60Hz, ± 5%						
Power factor (100% load)	≥ 0.99						
(THDI) (*)	≤ 3%						
By-pass voltage	380/400 VAC 3P + N, 4 Wires, ± 10%						
Voltage distortion	≤ 10%						
Protection	Fuses, Voltage &Frequency tolerance, Input power limit, Phase sequency indicator						
OUTPUT							
Power (kW)	180	225	270	360	400	495	585
Power factor	0,9				0,8		
Voltage	380/400 VAC 3 Phase + N, ± 1% (415 optional)						
Frequency	50Hz / 60Hz						
Frequency tolerance	Line synchronized: ± 2% / Free running: ± 0,1%						
Efficiency	up to 95%						
Crest factor	3:1						
Overload protection	100% -125% load: 10 min, 125% -150% load: 1 min, -> 150% load: by pass						
Other protections	Advanced short circuit, Voltage tolerance, DC balance, Regenerative load, Current limiting						
Voltage THD	< 3% (at 100% linearload)						
BATTERIES							
Type	VRLA AGM / GEL / NiCad						
Nominal voltage	± 360 VDC (2x30 batteries)						
Float/End discharge vol	± 405 VDC / ± 300 VDC						
Battery cabinet	External						
Battery ambient temp.	25°C						
Protections	3 level alarms, Battery fuses, Charging current limit, Temperature compensation (optional)						
Automatic testing	Standard every 72 hours (adjustable)						
GENERAL							
Standards	EN62040-1, EN62040-2, EN62040-3						
User interface	TFT panel, 5 vector buttons, Buzzer						
Indicators	P-N voltage, P-P voltage, Current, Power, Crest Factor, Frequency, PF, Service Time						
Advanced	Self-diagnostics, 3 maintenance time indicators, Calibration over RS232, operating hour meter						
Communication	2xRS232 serial ports, 4 standard and 8 optional DRY contact alarm relays						
Inputs	EPO input, Interactive battery panel input, Genset input						
Genset kit	Standard (programmable)						
Software	Standard T-MonUPS Management Software (3 clients + 1 server management)						
Alarm logging	Standard: with time&date 512 events						
Protections	Power module over-temperature, over current, Temperature high alarm						
Temperature range	0°C -40°C						
Protection degree	IP20						
Relative humidity	90% max. (non-condensing)						
Altitude	< 1000m. above sea level						
Acoustic noise	< 68 dBA		< 72 dBA				
Weight without batteries	482	550	638	737	780	1452	
Dim. (mm) HxWxD	1900x880x775		1900x1250x775		2040x1250x840	1940x1610x1050	
OPTIONS							
Special in/output volt.	Please ask						
Transformer	Galvanic isolation transformer at the input & output						
Software	T-Mon Admin Multi UPS monitoring 10-50-100-200clients, T-Mon Server 50-100-200clients						
Adaptors	SNMP, RS485, MODBUS (RS485 or TCP/IP), USB Alarm Logger, TCP/IP, GSM/GPRS Modem, Comport multiple						
Parallel operation	up to 8						

GAMA3000 SERIES

www.ogspower.com

3/3 PHASE 10-80KVA TRANSFORMER-BASED ONLINE UPS

GENERAL SPECIFICATIONS

- T-MON remote monitoring software
- Parallel operation up to 4 devices
- High performance at nonlinear loads
- Custom input voltage and frequency ranges
- Manufactured according to EC Directive; EN62040
- Custom input and output voltage ranges
- SNMP compatible communication
- 128 events alarms Memory (4000 alarms)
- Output isolation transformer
- Up to 92% efficiency
- Static by-pass
- LCD front panel
- RS232 and relay contacts

TECHNICAL SPECIFICATIONS							
MODEL	GAMA3010	GAMA3015	GAMA3020	GAMA3030	GAMA3040	GAMA3060	GAMA3080
Power(kVA)	10	15	20	30	40	60	80
INPUT							
Voltage	220/380 VAC (230/400 VAC) 3P + N + G ± 15%						
By-pass voltage	220/380 VAC (230/400 VAC) 3P + N ± 10%						
Input frequency	50Hz / 60Hz ± 5%						
OUTPUT							
Power (kW)	8	12	16	24	32	48	64
Power factor	0,8						
Voltage	380/400 VAC 3P + N						
Voltage stability	Balanced load: ± 1% , Unbalanced load: ± 2% , Step load: ± 5%						
Voltage recovery time	After step load: max. 25ms						
Frequency	50Hz (60Hz on request)						
Frequency tolerance	Line synchronized: ± 2%, free running: ± 0,2%						
Efficiency (100% load)	85-91%			90-92%			
Crest factor	3:1						
Overload protection	100%-125% load: 10 min., 125%-150% load: 1 min., >150% load: bypass						
Short circuit protection	Electronic short circuit protection						
Voltage THD	Linear load: < 3% Nonlinear load: < 5%						
BATTERIES							
Type	Sealed Lead Acid -Maintenance Free						
Number of batteries	30						
Float charging voltage	405 VDC						
End of discharge voltage	300 VDC						
Battery ambiance temp.	25°C						
Battery protection	Automatic circuit breaker						
Battery test	Automatic every 72 hours						
GENERAL							
Standards	EN 62040-1, EN 62040-2						
Serial communication	Dry contacts&RS232						
Software	T-MonUPS Management Software (3 clients, +1 server management std.)						
Temperature range	0°C -40°C						
Ventilation	Forced air cooling						
Relative humidity	< 90% (non-condensing)						
Protection degree	IP20						
Altitude	< 2000m above sea level						
Acoustic noise	< 56 dBA					< 60 dBA	
Weight without batteries	220	260	284	305	404	496	580
Dimensions(mm) HxWxD	1150x505x655				1390x575x820		1450x720x820
OPTIONAL							
Special in/output voltage	Please ask						
Input transformer	Galvanic isolation transformer at the input (in external cabinet)						
Input THD	10% (with 12 pulse or 18 pulse rectifiers, according to UPS range) 5% (with 18 pulse rectifiers, + filter), up to 100kVA						
Input power factor	0.95 -0.98 (with 18 pulse rectifier)						
Adaptors	SNMP, MODBUS, Remote Mon. Panel, RS485						
Parallel operation	N+1 (up to 4 units)						
(*)	In 18Pulse&12Pulse applications, the standard chassis dimensions may change						

GAMA3000 SERIES

www.ogspower.com

3/3 PHASE 100-300KVA TRANSFORMER-BASED ONLINE UPS

GENERAL SPECIFICATIONS

- Output isolation transformer
- Up to 92% efficiency
- 128 elevents alarm memory (4000 alarms)
- Custom input and output voltage ranges
- SNMP compatible communication
- T-MON remote monitoring software
- High performance at nonlinear loads
- Custom input voltage and frequency ranges
- Manufactured according to EC Directive; EN62040
- Parallel operation up to 4 devices
- RS232 and relay contacts
- Static by-pass
- LCD front panel

TECHNICAL SPECIFICATIONS						
MODEL	GAMA3100	GAMA3120	GAMA3160	GAMA3200	GAMA3250	GAMA3300
Power(kVA)	100	120	160	200	250	300
INPUT						
Voltage	380/400 VAC 3P + N + G ± 15%					
By-pass voltage	380/400 VAC 3P + N ± 1%					
Input frequency	50Hz (60Hz on request) ± 5%					
OUTPUT						
Power (kW)	80	96	128	160	200	240
Power factor	0,8					
Voltage	380/400 VAC 3P + N					
Voltage stability	Balanced load: ± 1% , Unbalanced load: ± 2% , Step load: ± 5%					
Voltage recovery time	After step load: max. 25ms					
Frequency	50Hz (60Hz on request)					
Frequency tolerance	Line synchronized: ± 2%, free running: ± 0,2%					
Efficiency (100 load)	90-92%					
Crest factor	3:1					
Overload protection	100%-125% load: 10 min., 125%-150% load: 1 min., >150% load: bypass					
Short circuit protect.	Electronic short circuit protection					
VoltageTHD	Linear load: < 3% Nonlinear load: < 5%					
BATTERIES						
Type	Sealed Lead Acid -Maintenance Free					
Number of batteries	30				32	
Float charging voltage	405 VDC				432 VDC	
End of discharge voltage	300 VDC				320 VDC	
Battery ambient temp.	25°C					
Battery protection	Automatic circuit breaker					
Battery test	Automatic every 72 hours					
GENERAL						
Standards	EN 62040-1, EN62040-2					
Serial communication	Dry contacts &RS232					
So ware	T-MonUPS Management Software (3 clients, +1 server management std.)					
Temperature range	0°C -40°C					
Ventilation	Forced air cooling					
Relative humidity	< % 90 (non-condensing)					
Protection degree	IP20					
Altitude	< 2000m above sea level					
Acoustic noise	65 dBA		70 dBA			
Weight without batteries	750	765	802	970	1328	1370
Dim. (mm) HxWxD	1650x1110x810		1730x1195x870		1880x1565x925	
OPTIONAL						
Special inoutput voltage	Please ask					
Input transformer	Galvanic isolation transformer at the input (in external cabinet)					
Input THDI	10% (with 12 pulse or 18 pulse rectifiers, according to UPS range) 5% (with 18 pulse rectifiers, + filter), up to 100kVA					
Input power factor	0.95 -0.98 (with 18 pulse rectifier)					
Adaptors	SNMP, MODBUS, Remote Mon. Panel, RS485					
Parallel operation	N+1 (up to 4 units)					
(*)	In 18Pulse& 12Pulse applications, the standard chassis dimensions may change					

STIGMA3000 SERIES

www.ogspower.com

3/3 PHASE 30-900KVA IGBT RECTIFIER MODULAR ONLINEUPS

GENERAL SPECIFICATIONS

- 3 Level topology
- Modular design with N+X redundancy
- Online hot swapping, by-pass and power module feature
- Optional dual input
- High power density with footprints of less than 2m² up to 900kVA in parallel, 30kVA power module with only 3U height
- High power density of 600kVA in one single cabinet, 30kVA power module with only 3U height
- Green and energy saving: AC/AC efficiency > 95%, input power factor > 0.99 while input THDi < 3%
- Full DSP control of high stability, reliability and safety
- Integrated IGBT module with improved performance and reduced size
- Excellent input performances for complete compatibility with input PF of 99% and wide range of voltage

TECHNICAL SPECIFICATIONS				
MODEL		STGM3180/30	STGM3300/30	STGM3600/30
Capacity		30 -900kVA	30 -600kVA	
Power module type		TPM30 (30kVA/27kW)		
INPUT				
Phase		3 Phases + Neutral + Ground		
Voltage		380V/400V/415V (line to line)		
Frequency		50Hz / 60Hz		
Power factor		> 0.99		
THDI		THDi < 3% @ 100% linear load		
Voltage Range		304~478Vac (Line-Line) full load, 228V~304Vac (L-L) load decrease linearly to the min phase voltage		
Frequency range		40Hz~70Hz		
OUTPUT				
Voltage		380V/400V/415V		
Voltage regulation		1.5%		
THDu		THD < 1% (linear load), THD < 6% (none linear load)		
Power factor		0.9		
Crest factor		3:1		
Overload capability		1 hour for 110% load; 10 minutes for 125% load; 1 minutes for 150% load; 200ms for > 150% load		
BATTERY				
Voltage		± 240 VDC for 40 batteries (selectable battery number 36-44)		
Charge power		20%*System Power		
Charge voltage precision		± 1%		
SYSTEM				
Parallel (cabinet)		5	3	0
System efficiency		Normal mode: 95% ; ECO mode: 99% ; Battery mode: 95%		
Display		10.4" LCD + LED, Color touch screen + Keyboard		
IP Class		IP20		
Interface		Standard: RS232, RS485, Dry contacts, USB; Optional: SNMP		
Operation/storage temp.		0 ~ 40°C / -40~ 70°C		
Relative humidity		0 ~ 95% (non-condensing)		
Noise		65dB @100% load, 62dB @ 45% load (1 meter away)		72dB@100% load,68dB@ 45% load
PHYSICAL				
Netweight (kg)	Cabinet	6-Slot Cabinet: 165	10-Slot Cabinet: 220	660
	Power modul	TPM30kVA: 34		
Dimension (mm) HxWxD	Cabinet	6-Slot Cabinet: 1600x600x1100	10-Slot Cabinet: 2000x600x1100	20-Slot cabinet: 2000x2000x1050
	Power module	STGM30kVA: (3U) 134x460x790		

ETA100 SERIES

www.ogspower.com

SINGLE PHASE FULLY AUTOMATIC SERVO VOLTAGE STABILIZER

GENERAL SPECIFICATIONS

- Omega series 1 phase in / 1 phase out (1-50 kVA)
- Omega series are Single Phase phase voltage stabilizers regulate mains voltage and bring many advantages.
- Non-linear charges drive
- 1 phase input 1 phase output
- Wide power and voltage interval
- Fast Regulation
- High reliability thanks to Microprocessor and Smart Driver
- High efficiency
- Load transfer to Bypass via pole charge switch

TECHNICAL SPECIFICATIONS	
INPUT of REGULATOR	
Input Voltage Correction Range	160 VAC - 260 VAC Standard (other input bandwidth are optional)
Working Frequency	47...65 Hz
Line Input Protection	Low Voltage and Over Voltage Protection
OUTPUT of REGULATOR	
Output Voltage	220/230/240 VAC RMS ±5
Overload	10 sec % 200 loads
Correction Speed	~90 Volt/sec
Output Protection	At short circuit, overload or overvoltage situations contactor opens the circuit and protects the load
OPERATIONAL PRINCIPAL	
	Servo motor, Micro controller unit, Full automatic
GENERAL	
Cooling System	Smart Fan System
Monitoring of Measured value	Monitoring the output and mains voltage with True RMS Panel Voltmeter
Total Harmonic Distortion	-
Efficiency	>% 95
Mechanical By-Pass	Manually controlled Line/Regulator Selectable Pako Switch
Protection Level	IP 20 (others optional)
ENVIRONMENT	
Operational Temperature	-10°C/+50°C
Storage Temperature	-25°C/+60°C
Relative Humidity	<%90 DIN (40040)
Altitude	<3000m
Acoustic Level	<50Db(1m 2)
Certificates	CE//Tüv Austria Hellas (ISO 9001)

ETA30000 SERIES

www.ogspower.com

THREE PHASE 5-4000KVA FULLY AUTOMATIC SERVO VOLTAGE STABILIZER

GENERAL SPECIFICATIONS

- Non-linear charges drive
- 3 phase input 3 phase output
- Wide power and voltage interval
- Fast Regulation
- High reliability thanks to Microprocessor and Smart Driver
- High efficiency
- Load transfer to Bypass via pole charge switch
- Safe and economic usage
- Overcurrent and overload protection (Optional)
- Digitally displayed status, input & output measurements
- IP20 protection class

TECHNICAL SPECIFICATIONS	
REGULATOR INPUT	
In. Vol. Correct. Interval	275-450VAC
In. Vol. Working Interval	155-490VAC
Operation Frequency	47...65 Hz
Line Input Protection	Overcurrent, Low and High Voltage Protection
REGULATOR OUTPUT	
Output Voltage	380 VAC RMS ±%2
Overloading	10 sec% 00 loads
Correction Speed	90 Volt/sec
Upturn Period	90 Volt/sec (160 VAC-250 VAC)
Output Protection	Protects load by opening the circuit when overload, short circuit occurs
WORKING PRINCIPLE	
	Servo motor, Microprocessor Controlled, fully automatic
GENERAL	
Cooling	Smart Fan System
Measured Value Monitor.	TRUE RMS Panel Voltmeter (74x74 mm) output voltage and line voltage monitorization
Total Harmonic Distortion	-
Total Efficiency	>% 96
Mechanical By-Pass	Manually controlled Line/PAKO SWITCH Selects Voltage Regulator Switch TurnOn / Off
Protection Level	IP 20 // IP 25 (Optional)
ENVIRONMENT	
Working Temperature	-10°C/+50°C
Storage Temperature	-25°C/+60°C
Relative Humidity	<%90, DIN (40040)
Working Altitude	<2000 m.
Acoustic Level	<50dB (1metersquare)
Documents	CE//Tüv Austria Hellas (ISO 9001)

OMEGA1000 SERIES

www.ogspower.com

SINGLE PHASE 5-50KVA FULLY AUTOMATIC STATIC VOLTAGE STABILIZER

GENERAL SPECIFICATIONS

- Advanced Technology Product, Fully Digital Multi microprocessor control
- Thyristor Tap Changer
- Zero Transfer/No Distortion
- 20 millisecond response time
- 5000V/Second correction speed
- Overload, Overcurrent protection
- Over Voltage, Low Voltage Protection (Surge, Sag, Spike)
- Output Short-Circuit Protection
- EMI / RFI Noise Filter
- True RMS-Actual effective measurement and display order
- Graphic LCD Display
- Password Controlled User Parameter Settings Manual
- By-Pass (Standard) / Auto By-Pass (Optionally)
- Insulation transformator (optional)

- Compact Production
- Browser based remote management with ethernet connection

MOD-BUS with RS485 connection (optional)

- Production with ISO9001-2008 quality management system

TECHNICAL SPECIFICATIONS	
INPUT	
Input Voltage Range	1P+N (130-270VAC)Standard 1P+N (80-300VAC) Optional
OUTPUT	
Output Voltage	1P+N 220 VAC +/-% 1~3 Standard (%1~2)Optional (230V ve 240V optional)
Process Control	Multi-MicroprocessorControl (DSPIC) SCR (Thyristor) Tap Changer-ZeroCurrent Switching Full Regulation at one cycle
Control Types	Multi-MicroprocessorControl(DSPIC)
Operation Frequency	50 Hz +/-%5 (60 Hz Adjustable)
Efficiency	>% 97 (Under nominal conditions, full load)
Operating temperature	Between -10C + 50 C range (special cooling unit)
Protections	Passive and electronic protection (overvoltage, undervoltage, overcurrent,peak, surge, sag and spike protection)
Display	Input Voltage, Output Voltage, Output Current, Load Percentage, Output Frequency, Regulator Status and Fault Information, Overload Warning, Input False Warning, Output False Warning, etc. with Graphic LCD Screen. information can be tracked.
Communication	Dry Contact (Optionally; Ethernet / GPRS / USB / MODBUS TCP / IP)
Filter	At the entrance of the system there is an electricity noise filtering specialfilter system and network filters.
By Pass	Manuel By pass (Optionally; Auto By Pass)
Relative humidity	% 90 (condensing)
Acoustic Noise	Less than 50 dB (A)
Protection Class	Ip 20 (Optionally; Outdoor Cabins)
Standarts	EN 62040-1, EN 62040-2

OMEGA30000 SERIES

www.ogspower.com

THREE PHASE 8-4000KVA FULLY AUTOMATIC STATIC VOLTAGE STABILIZER

GENERAL SPECIFICATIONS

- Advanced Technology Product, Fully Digital Multi microprocessor control
- Thyristor Tap Changer
- Zero Transfer/No Distortion
- 20 millisecond response time
- 5000V/Second correction speed
- Overload, Overcurrent protection
- Over Voltage, Low Voltage Protection (Surge, Sag, Spike)
- Output Short-Circuit Protection
- EMI / RFI Noise Filter
- True RMS-Actual effective measurement and display order
- Graphic LCD Display
- Password Controlled User Parameter Settings Manual
- By-Pass (Standard) / Auto By-Pass (Optionally)
- Insulation transformator (optional)

- Compact Production
- Browser based remote management with ethernet connection

MOD-BUS with RS485 connection (optional)

- Production with ISO9001-2008 quality management system

TECHNICAL SPECIFICATIONS	
INPUT	
Input Voltage Range	1F+N (170-260V), (150-260V), (130-260V), (110-270V), (90-280V), (80-270V) 1F+F (295-450V), (260-450V), (225-450V), (190-470V), (155-485V), (140-485V) (400 V & 415 V optional)
OUTPUT	
Output Voltage	1F+N (220 V) +/-% 1~3, 1F+F (380 V) +/-% 1~3 (400 V ve 415 V optional)
Process Control	SCR(Thyristor) TapChanger-ZeroCurrentSwitching-FullRegulation at one cycle
Control Types	Multi-MicroprocessorControl(DSPIC)
Operation Frequency	50 Hz +/-%5 (60 Hz Adjustable)
Efficiency	>% 97 (Under nominal conditions, full load)
Operating temperature	Between -10C + 50 C range (special cooling unit)
Protections	Passive and electronic protection (overvoltage, undervoltage, overcurrent, peak, surge, sag and spike protection)
Display	Per Phase Graphic LCD Display Output Voltage, Output Voltage, Output Current, Load Percentage, Output Frequency, Regulator Status and Fault Information, Warning for Overload ,Over Temperature, Input Fault , Output Fault Warning, information can be monitored.
Communication	Dry Contact (Optionally; Ethernet / GPRS / USB / MODBUS TCP / IP)
Filter	At the entrance of the system there is an electricity noise filtering specialfilter system and network filters.
By Pass	Manuel By pass (Optionally; Auto By Pass)
Relative humidity	% 90 (condensing)
Acoustic Noise	Less than 50 dB (A)
Protection Class	Ip 20 (Optionally; Outdoor Cabins)
Standarts	EN 62040-1, EN 62040-2

SIGMA SERIES

www.ogspower.com

ONE PHASE & THREE PHASE INVERTERS FOR VARIOUS APPLICATIONS

Pure Sine wave Inverter/Charger, Solar Charge Controller,OGS VP Series, Max

Model	Input (VDC)	Output (VAC)	Power (VA/W)	AC Charge Current (A)	Solar Charge Current (A)	Weight (kg)	Sizes (mm)
VP1K	12	230	1000/1000	20	50	5.0	88x225x320
VP3K	24	230	3000/3000	25	50	6.3	100x285x334
VP5K	48	230	5000/5000	60	50	8.5	100x300x440

Pure Sine wave Inverter/Charger, MPPT Solar Charge Controller, OGS VM Series, Max

Model	Input (VDC)	Output (VAC)	Power (VA/W)	AC Charge Current (A)	Solar Charge Current (A)	Weight (kg)	Sizes (mm)
VM1K	12	230	1000/1000	20	40	5.1	88x225x320
VM3K	24	230	3000/3000	25	40	6.5	100x285x334
VM5K	48	230	5000/5000	60	60	9.75	100x300x440

Inverter/Charger, MPPT Solar Charge Controller,OGS VM II, Max

Model	Input (VDC)	Output (VAC)	Power (VA/W)	AC Charge Current (A)	Solar Charge Current (A)	Weight (kg)	Sizes (mm)
VM II 3K-24	24	230	3000/3000	60	80	9.0	100x300x440
VM II 5K-48	48	230	5000/5000	60	80	10.0	100x300x440

Pure Sine wave Inverter/Charger, MPPT Solar Charge Controller, Operation w/o battery, Bluetooth Communication, OGS VMIII Series, Max

Model	Input (VDC)	Output (VAC)	Power (VA/W)	AC Charge Current (A)	Solar Charge Current (A)	Weigh (kg)	Sizes (mm)	Model
VMIII-1500-24	24	230	1500/1500	50	60	9.0	100x280x390	F.S.
VMIII-3000-24	24	230	3000/3000	60	80	11.0	115x300x400	F.S.
VMIII-5000-48	48	230	5000/5000	60	80	13.0	115x300x400	F.S.

Pure Sine wave Inverter/Charger, Solar Charge Controller, Parallelable, OGS KS Series, Max

Model	Input (VDC)	Output (VAC)	Power (VA/W)	AC Charge Current (A)	Solar Charge Current (A)	Weight (kg)	Sizes (mm)
KS 3KP	24	230	3000/2400	60	50	7.5	100x272x385
KS 5KP	24	230	5000/4000	60	50	12.5	180x310x475
KS 5K	48	230	5000/5000	60	50	9.8	155x295x455

HETA SERIES

www.ogspower.com

SWITCH MODE & TYHRISTOR TYPE 1 & 3 PHASE BATTERY CHARGING RECTIFIERS

GENERAL SPECIFICATIONS

- Easy Installation
- Long Operating Life
- Can be used as direct current power supply and battery charger
- Charging technique to choose;
- Classic IU charging chart
- (Direct current power mode)
- 3 stepcharge-IuIa graph
- (3-step battery charging mode)
- Quick Charger -Charging GraphPad
- (Classic Battery charging mode)
- Battery type selector;
- Dry Battery
- Water Battery
- Gel Battery
- Remote Control Unit
- Program update from the socket on the panel
- Rectifier fault and status information opt output
- High efficiency
- Low maintenance requirement
- Easy to supply standard parts
-

TECHNICAL SPECIFICATIONS	
GENERAL	
Model	HETA
Operation Technics	Switch mode IGBT controlled OR MCCB
Control	Microprocessor controlled
Efficiency	>% 90
Insulation Voltage	1500 V (Phase - Earth / Neutral - Earth)
INPUT	
Input	220 /380 V AC
Input Voltage Tolerance	± % 15
Operation Frequency	50-60 Hz.
Operation Frequency Tolerance	±% 5
Input Transformer	Galvanic Insulation Transformer
Power Factor	> 0,8
Input Protection	Thermic Magnetic W Automat
OUTPUT	
Nominal Output Voltage	12/24/48/110/220/380 V DC OR others Customized
No. I voltage adjustment	% 100 -% 125 adjustable via front panel
Nominal Charge Voltage	% 100 -% 125 adjustable via front panel
Boost Charge Voltage	% 100 -% 125 adjustable via front panel
Static Tolerance	% 1
Output Current	10 A - 2000 A or others customized as customers' requirement
Output current adjust tolerance	% 1 -100 adjustable via front panel
Output wave	With battery % 1
Output Protection	Thermic Magnetic W Automat electronic over current protection
PANEL	
Indicators & Alarms	3 Linear digital panel -Volt, current and time parameters adjustment buttons
Warning Alarms	Battery Not Installed, Rectifier Failure
Observable parameters	Charge Voltage, Charge Current, Time
Adjustable parameters	Normal-Boost charge voltage, Output current, Time
ENVIRONMEN	
Cooling	Natural air cooled or forced cooled
Operation Temperature	0 / + 50 °C
Humidity	% 90
Protection Class	IP 21

Quiet operation

ZETA SERIES

www.ogspower.com

3PHASE 10-1000KVA FREQUENCY CONVERTERS

GENERAL SPECIFICATIONS

- Micro Processor Controlled
- Static IGBT-PWM inverter
- Efficiency > %90
- Clear Sinusoidal Waveform VTHD < %2
- Galvanic Isolated Transformer
- Emergency Stop Button
- Isolated RS485 Communication Contact
- Warning Memory with last 50 events
- LCD panel, 4 rows by 20 characters
- Output Power Factor: 0.8 Ind.- 0.8 Cap.
- Input Power Factor: > 0,90 (>0,98 optional)
- Input Current THD: < %8 (<%5 optional)
- By Soft Start compliant with generator

TECHNICAL SPECIFICATIONS	
INPUT	
Voltage	380/440VAC -3 Phase (STANAG 1008 Ed.9 compliance for marine applications)
Frequency	50/60 Hz ± " %5 (STANAG 1008 Ed.9 compliance for marine applications)
Protection	Adjustable rectifier operation limits + Fuse
Isolation	Galvanic isolation with Input Isolated 12 Pulse Transformer (MIL-T-17221B compliance)
Current THD%	< %8 (<% 5 option) (for Full load)
Power Factor	> 0,95 (>0.98 option) (for Full load)
OUTPUT	
Voltage	CUSTOMIZED ± %2 (3Phase) (MIL-STD-1399(TipIII) compliance for marine app.
Frequency	50/60/400Hz ± % 0.1 (MIL-STD-1399(TipIII) compliance for marine applications)
Verim	> % 90 (for Full load)
Voltage THD%	<% 3
Power Factor	0,8 - 1 ind.
Over Load	if load % 100-109 -> 1 hour, % 110-124 -> 10 min., % 125-150 -> 1 min
Voltage Protection	Adjustable inverter operation limits. If inverter voltage is out of limits, inverter closes
Temperature Protection	Temperature Protection of IGBT Heatsink and Transformer, Fan Fault sensors
Crest Factor	3:1
PHYSICAL	
Temperature	0 -45 °C
Humidity	%0-95 (uncondensing)
Aqoustic Noise	< 65 dB (A) 1 meter (according to STANAG 4293)
Protection Class	IP23 (optional)
Vibration Resistant	MIL-STD-167-1 Standard compliance
Dielectrical Resistant	MIL-T-17221B Standard compliance
Grounding -Shielding	MIL-STD-1310G Standard compliance
GENERAL	
Warning Messages	50 warning message memory (warning name, date, time),
Operation Systems	Static -Microprocessor Controlled
Operation Technique	IGBT and High Frequency PWM Technique
Operation Class	S1 - Continuously Operation (according to VDE 0530 Standard)
Communication	Isolated RS485, Remote Panel communication (optional), Dry Contacts (optional)
EMC	MIL-STD-461E compliance

PENTA3000 SERIES

www.ogspower.com

3 PHASE DIESEL GENERATORS UP TO 4000KVA

GENERALSPECIFICATIONS

- 4 stroke 1500RPM, water-cooled heavy-duty diesel engine
- Dry type replicable air filter
- Heat resistant radiator for 50 °C
- Flexible oil pipes and oil draining valve
- Pre-heater 4 poles synchro type, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- Lubrication oil and anti – freeze
- User manual and operating manual
- Protection system on manual run

Optional Equipments

- Soundproof canopy
- Automatic transfer switch
- Circuit Breaker
- Trailer
- External fuel tank
- Electronic governor
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manual)
- Analog indicators
- 1 Phase - 3 phase switch plugs
- Alarm system for fuel level
- Remote control and monitoring

Control Panel Features

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs full snapshot
- Multiple Automatic test program
- 3 level configuration passwords
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V&I
- Harmonic analysis of V&I
- Synchroscope & check synch
- 16 Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog outputs
- Battery charge run enabled
- Weekly Operation Schedule
- Dual mutual standby with equal aging of gensets
- Manual speed fine adjust some ECU's
- Automatic fuel pump control
- Disable protection feature
- Excess protection power
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Waveform display of V&I
- Battery back-up real time clock
- Idle speed control
- All parameters front panel editable
- Multiple nominal conditions
- Contactor & MCB drive
- Fuel consumption counter
- Free configuration software
- Allow SMS controls
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (USB & RS232)
- Modem & ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Ready for central monitoring Ethernet and GPRS

"Energy. Efficiency. Expertise."

TRANSFORMERS & BATTERIES

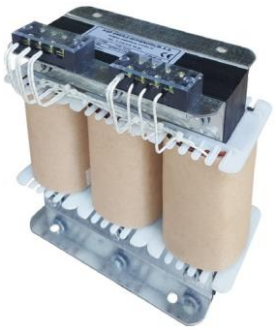
FOR VARIOUS APPLICATIONS

Dry Type Battery

Valve Regulated lead-acid batteries are highly economical to use because they have high performance. Due to its fully leak-proof and maintenance-free construction, there is no need to add water or electrolyte. There are wide applications such as dry type smartphones, UPS devices, rectifier devices, portable hand tools, cameras, measuring devices, security systems, emergency lighting, computers and control devices. We have stocks in our stocks from 12 Vdc 4.5 Ah to 12 Vdc 200 Ah.

Tractionary Battery

Industrial batteries are energy storage systems used together with stationary batteries, which are basically composed of 2 categories of tracery moving vehicles. Tractionary batteries are the most common areas of use for these pagers, forklifts, floor cleaners, conveyor or lifting platforms, electric vehicles, airfield vehicles, underground mining locomotives. The tracer is divided into 2 types according to the production type of the gel / VRLA and flooded (liquid electrolyte).



Auto Transformers

Autotransformers are used to change the voltage level while galvanic isolation is provided. Input and output voltages can vary up to 3000 V. The power levels of the transformers can be up to 1000 kVA.

Isolation Transformers

Three-phase transformers are used when galvanic isolation is required or when switching between voltage levels is required. The input and output voltages are up to 5000 V and the transformer's power rating is selected up to 600 kVA as required.

Medium Voltage Transformers

Transformers are used when galvanic isolation is required in three-phase medium voltage systems or when switching between MV / LV levels is required.

Input and output voltages are up to 12 kV and the transformer's power rating is selected up to 250 kVA as required.

Control Transformers

They are the type of transformers commonly used in electric panels and similar industrial applications. The input and output voltages are up to 1000 V, and the power level of the transformer is determined by the customer's footprint up to 10 kVA.

SPARE PARTS & ACCESORIES

SPARE PARTS AND ACCESORIES ESPECIALLY FOR UPS AND OTHER ELECTRONIC POWER SUPPLIES

Cabinets Shelves

We are capable of producing various kind of battery cabinets and shelves for diverse battery types as well as device cabinets and many other types of metallic cabinets for different applications.

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