

UPS

- True double-conversion
- DSP Technology guarantees high performance
- Output power factor 0.9
- Active Power factor correction
- 50 Hz/60 Hz frequency converter mode
- Dual-mains inputs
- Emergency power off function (EPO)
- Generator compatible
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers
- Static Switch and Maintenance Bypass standard
- Optional N+X parallel redundancy
- Optional isolation transformer offers full isolation and complete common mode noise rejection

**3P/3P
INPUT POWER
FACTOR
CORRECTION,
TRANSFORMERLESS**



OPGL-SERIES ONLINE UPS

3P/3P - Input Power Factor Correction, Transformerless

Model	OPGL01033	OPGL01533	OPGL02033	OPGL03033
CAPACITY	10000 VA / 9000 W	15000 VA / 13500 W	20000 VA / 18000 W	30000 VA / 27000W
INPUT				
Nominal Voltage	3 x 400 VAC (3Ph+N)			
Input Voltage Range	190-520 VAC (3-phase) at 50% load ; 305-478 VAC (3-phase) at 100% load			
Frequency Range	46~54 Hz or 56~64Hz			
Power Factor	≥ 0.99 @ 100% Load			
OUTPUT				
Output Voltage	3 x 400 VAC (3Ph+N)			
Voltage Regulation	± 1%			
Frequency Range (Synchronized)	46~54Hz or 56~64Hz			
Frequency Range (Non-Synchronized)	50 Hz / 60 Hz ± 0.1 Hz			
Crest Ratio	3:1 (max.)			
Harmonic Distortion	≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)			
Static Switch Transfer Time	Inverter to Bypass / Bypass to Inverter: Zero			
Waveform	Pure Sinewave			
EFFICIENCY				
AC Mode	90.5%	91.5%	91.5%	92.1
ECO Mode	96.0%			
Battery Mode	87.0%	88.0%	88.0%	89%
BATTERY				
Battery Type	12 V / 9 Ah			
Numbers	20 pcs (18 to 20 adjustable)	20 pcs x 2 strings (18 to 20 adjustable)		20 pcs x 3 strings (18 to 20 adjustable)
Typical Recharge Time	9 hours recover to 90% capacity			
Charging Current (Max.)	1A	2A	2A	4A
Charging Voltage	218.4 VDC ± 1%			
Battery Type	Depending on the capacity of external batteries			
Numbers				
Charging Current (Max.)	12A			
Charging Voltage	273 VDC ± 1%			
INDICATORS				
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
ALARM				
Battery Mode	Audible alarm sounding every 4 seconds			
Low Battery	Audible alarm sounding every second			
Overload	Audible alarm sounding twice every second			
Fault	Continuously sounding alarm			
PHYSICAL				
Dimension, DxWxH (mm)	815 x 250 x 826			815 x 300 x 1000
Net Weight (kgs)	109	164	164	233.5
Dimension, D xWxH (mm)	592 x 250 x 826			
Net Weight (kgs)	38	40	40	64
ENVIRONMENT				
Humidity	0-95 % RH @ 0- 40°C (Non-condensing)			
Noise Level	Less than 60dB @ 1 Meter	Less than 65dB @ 1 Meter		
MANAGEMENT				
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

*L means long-run model.

*When operating with 18 to 19 batteries, the unit will de-rate according to the formula: P = PRating x N/20.

* Product specifications are subject to change without prior notice.