

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
CAPACITY	10000 VA / 9000 W	15000 VA / 13500 W	20000 VA / 18000 W
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%
ECO Mode		96.0%	
Battery Mode	87.0%	88.0%	88.0%
BATTERY			
Battery Type	12 V / 9 Ah		
Numbers	16 pcs	16 pcs x 2 strings	
Typical Recharge Time	9 hours recover to 90% capacity		
Charging Current (Max.)	1A		
Charging Voltage	218.4 VDC ± 1%		
Battery Type	Depending on the capacity of external batteries		
Numbers	20 pcs (Default, 16-20 pcs adjustable)		
Charging Current (Max.)	4A	4A	4A
Charging Voltage	273 VDC ± 1% (Based on 20 pcs batteries)		
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)	592 x 250 x 826		
Net Weight (kgs)	96 (incl. batteries)	146 (incl. batteries)	
Dimension, D xWxH (mm)	592 x 250 x 576		
Net Weight (kgs)	32 (excl. batteries)	35 (excl. batteries)	
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 16 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.