Power Guard UPS - PGELF33 Series (20KVA-60KVA)

Power Backup + Protection

Give Protection from Power impurities.
Save your work & equipment when Power goes.

PGE-LF33 series online intelligent digital UPS congregates the essence of Asia Powercom and uses state of art technology in traditional simulation circuit era. It adopts the digital control technology of which the core is high speed MCU and uses the sixth generation low-exhaust, high power IGBT and static switch as power components. Guided by these most advanced technologies in the world, it is really a first class product.

PGE-LF33 series UPS also adopts 4 layer PCB. The capacity can be from 20KVA-200KVA, widely applied in the telecommunication sectors, computers, data centers, BPO, banks and Financial Institutions, etc.

Main Features:

- Pure sine wave output, true on-line double conversion design with isolation.
- Adopt 4 layer PCB, and SMD technology.
- Using sixth generation IGBT, the inverter has high efficiency, low temperature, high reliability.
- Touch screen display, with the simple operation and Intuitive data and optional display language.
- With Isolation Transformer, low frequency design.
- Set the work mode on the display directly, UPS mode, ECO mode, EPS mode.
- Provides Intelligent detection on LCD display panel, all power's supply working status, breaker status, and all circuits working status.
- Accepts 100% imbalanced load without change over to bypass.
- Cold start
- Generator compatible
- RS232 and RS485 standard feature.
- Optional SNMP and dry contact connection.
- Adjustable battery charger current.

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UPS with Built in Battery - Plug & Play - 1 year warranty

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Specifications:

Model	PGE-LF33-20K	PGE-LF33-30K	PGE-LF33-40K	PGE-LF33-60K	PGE-LF33-80K	PGE-LF33-100K	PGE-LF33-120K	PGE-LF33-160K
Normal Capacity (KVA)	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA
INPUT								
Work Principles	Pure sinewave online, double conversion with isolation							
Phase	3 Phase +N+G							
Input Power Factor	> 0.75 at full load, >0.95 with 12 pulse							
Rectifier Type	6 pulse (input filter and 12 pulse optional)							
Input THDi	<30% with 6 pulse, <8% with 12 pulse rectifier							
Nominal Input Voltage	220/380VAC,230/400VAC,240/415VAC							
Range	±25%							
Nominal Input Frequency	50Hz ± 10%, 60Hz ± 10%							
Output Ripple	< 2%							
Soft Start	0 ~ 100% 5 sec							
CHARGER								
Charge Mode	Constant current to constant voltage, with temp compensation; with auto change							
Float Voltage	432VDC							
Boost Voltage	464VDC							
Temperature Compensation Volt.	3mV/ 1 pcs							
Charge Current	0.1C (automatically change depending on connected battery)							
Charge Frequency	20% of rated capacity							
BATTERY								
Battery Type	Maintenance free lead acid battery							
Battery Capacity	7 ~ 999A settable (according to capacity)							
Battery Number	32 pcs 12V or 192 pcs 2V (nominal voltage 384VDC)							
INVERTER								
Phase	3 Phase + N							
Capacity (Load PF)	Rated capacity x 0.8							
Nominal Voltage	220/380VAC, 230/400VAC, 240/415VAC							
Output Voltage Stability	±1% (stable load), ±3% (fluctuant load)							
Output Frequency Stability	50Hz/ 60Hz < ±0.5%							
Crest Factor	> 3:1							
Output Waveform Distortion	Sine wave, linear load < 3%; non-linear load < 5%							
Dynamic Characteristic	Instant voltage < ±5% (from 0 to 100%), Instant recover time < 10ms							
Unbalanced Load Voltage	< ± 5%							
Overload Protection	125% 10 m; 150% 30 Sec; 200% 200 ms							
Efficiency	> 95% (full load)							
BYPASS								
Phases	3 Phase + N							
Nominal Voltage	220/380VAC, 230/400VAC, 240/415VAC							
Transfer Time	< 1ms (static switch with 0 transfer time)							
PROTECTION								
Input Protection	Input voltage/frequencyover limited; wrong phase; lack phase							
Output Protection	Over current short circuit; factor low protection							
Battery Protection	Over charge : over discharge protection							
Temperature Protection	Ambient over temperature protection; inverter over temperature protection							
Hardware Failure Protection	Power abnormal, breaker cut off, breaker overload, power component over current/over voltage etc. protection							
SYSTEM PARAMETERS								
Working Environment	Temp: 0-40°C, relative humidity 30% - 90%; (a 1% decrease against 100 meters rise. Altitude 4000m MAX)							
Cooling Down Method	Compulsive Ventilation (with temperature control)							
Communication Interface	RS232, Rs485 optional SNMP card (for internet long-distance m							
Redundancy Function	In series or N + 1parallel (optional)							
Anti-surge Capacity	10/700 μS, 5KV; 8/20 μS, 20KA							
Protection Level	IP21							
Safety Performance	Vin-n Vout-n 3000VAC, creepage < 3.5 mA isolation resistance > 3M (500 VDC)							
Noise (dB)	48-55			55-60			60-65	
Quality	ISO9001:2000							
Dimenstion (WxDxH) mm	430x750x1080		480x895x1200			980x800x1800		980x800x1800
Weight (Kg)	350	400	480	580	850	920	1090	1300

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All specifications are subject to change without prior intimation