

On Line Low Frequency UPS GL31 3P/1P 10K-40K(L)



Technical Features:

- True online double conversion with DSP control
- Robust electrical performance to prevent damage from top and bottom connections
- Screwless cabinet design and fully coating PCBAs to withstand harsh environment
- Unique ventilation design for effective heat dissipation
- Accepts dual-mains inputs
- High short-circuit and overload capabilities
- Easy integration into existing electrical networks or generator
- Parallel capability up to 4 units



Technical Specifications:

MODEL	GL31-10KL	GL31-15KL	GL31-20KL	GL31-25KL	GL31-30KL	GL31-40KL
PHASE	3-phase in / 1-phase out					
CAPACITY*	10KVA/8KW	15KVA/12KW	20KVA/16KW	25KVA/20KW	30KVA/24KW	40KVA/32KW
INPUT						
Nominal Voltage	3 x 380VAC (3Ph + G or 3Ph + N + G)					
Acceptable Voltage Range	304VAC ~ 456VAC					
Frequency	50Hz ±5 Hz (±10%)					
OUTPUT						
Nominal Voltage	220VAC/230VAC/240VAC [Selectable]					
Connection Type	Hardwire 3-wire (1Ph+N+G)					
Waveform	Pure Sinewave					
Output Voltage	Steady state	±1%				
Stability	Transient state	±5%				
Frequency	50 Hz					
Frequency Stability	± 1%					
Frequency Synchronisation Range	± 5Hz (Equal to bypass working range)					
Frequency Synchronisation Speed	1~2 Hz/s					
Power Factor	0.8					
Crest Factor	3:1					
Total Harmonic Distortion (THDv)	"<2% [Linear Load] <4% [Non-linear Load]"					
Dynamic in-rush Voltage Range	0% -> 100% -> 0% [R Load] <±5%; 20% -> 100% -> 20% [R Load] ±3%					
Dynamic Recovery Time (III Grade)	0%~100% RCD load: <60 ms recover to 90% of nominal voltage					
Transfer Time	0 ms					
Overload Capability	0% ~ 110% continuous running; 110% ~ 150% for 10 min~1 min; >160% for 200ms					
Short-circuit Capability	60~100ms					
Transient Response Time	< 5ms					
BYPASS						
Connection Type	Hardwire 3-wire (1Ph+N+G)					
Input Voltage Range	220VAC ± 25%					
Overload Capability	1.5 In~1.8 In 1h~30s					
Short-circuit Capability	1.8 In ~ >2.0 In 30s~200ms					
SYSTEM						
Efficiency (at linear load and 270VDC)	84%	84%	87%	87%	90%	90%
ECO Mode (Non-parallel models)	Yes					
EPO Function	Yes					
Standard	IEC 61000-4-5 Protection surge, IEC 62040-2 EMC/EMI, IEC62040-1 Safety					
BATTERY & RECTI						
Standard Model	Type	6 pulse				
	Rated output voltage	220 VDC (optional 384VDC, please check sales)				
	Charger voltage	220VDC ~ 270VDC [Adjustable]				
	Charging current(max)	20A	25A	30A	30A	40A
Long-run Model	Type	Support VRLA Battery				
	Numbers	16 pcs (16 ~ 18 pcs adjustable)				
	Reverse Diode	Yes				
	Cold Start	Yes				
PHYSICAL						
IP Protection	IP20 (Default), IP21/IP31 (Option)					
Dimensions, D x W x H(mm)	570 x 450 x 900				750 x 450 x 1015	
Net Weight (Kgs)	125	135	200	240	280	310
ENVIRONMENT						
Operating Temperature	0~ 40°C continuous running, 45°C derating to 85% with linear load					
Humidity	0~90% [non-condensing]					
Noise Level	Less than 70dB @ 1 Meter					
MANAGEMENT						
Modbus RS-232/RS485	Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					

* Product specifications are subject to change without further notice

