



Quality-oriented, Striving for perfection



L33-10KL L33-15KL

L33-20KL

L33-30KL L33-40KL

L33-60KL L33-80KL L33-100KL

L33-120KL

Application object

Servers, storage, network equipment, VIOP communications equipment, automation equipment, precision instruments, medical diagnostic equipment, OFFICE office terminals, network switching equipment and server, data room, machinery equipment, lighting, power equipment, etc.

Applicable industry

Telecommunications, finance, government, medical, education, manufacturing, postal / logistics, transportation, business / retail, mineral, fire, monitoring, data center.

Features

Reliable professional design

- IGBT power devices and multiple protection technology
- Advanced DSP digital technology
- Direct parallel technology ensures online expansion and system redundancy (N+1)
- Built-in isolation transformer is more resistant to shock and interference
- Configured D lightning protection device, external lightning protection box

Excellent input and output performance

- Wide voltage and frequency input range, adapted to poor grid conditions and generators
- High load capacity, can sustainable use for 60 minutes at 110% load
- Configure the external battery high temperature and smoke detection alarm (SMS, APP)
- Battery discharge data analysis, remind of battery discharge, remote mobile terminal control, accurate prediction of battery remaining discharge time, mobile side supervision

Advanced network management function

- Provide RS232, USB dry contact, RS485 communication management interface, EPO emergency shutdown interface
- Provides SNMP remote management card expansion slot for remote management and early warning
- The monitor software has the power event recording and analysis functions, support TCP / IP protocol, flexible and diverse networking solutions to achieve remote monitoring.
- When the utility power fails or the battery will run out, it can automatically store the data through the monitoring software, exit the operating system and safely shut down the computer and server.
- Configured UPS service card to achieve SMS, e-mail, mobile phone APP alarm mode, the phone can monitor and manage remotely, through the WEB side on the big screen to monitor multiple devices

Friendly man-machine interface, easy to operate and maintain

- Chinese large-screen LCD display, can achieve electrical parameter query, UPS function settings, power events alarm tips and fault location, user-friendly
- Full frontal operation, frontal maintenance, faster to maintenance



Model	L33-0-10KL	L33-15KL	L33-20KL	L33-30KL	L33-40KL	L33-60KL	L33-80KL	L33-100KL	L33-120KL
Phase	3-phase in / 3-phase out								
Nominal Capacity	10KVA/8KW	15KVA/12KW	20KVA/16KW	30KVA/24KW	40KVA/32KW	60KVA/48KW	80KVA/64KW	100KVA/80KW	120KVA/96KW
INPUT									
Nominal Voltage(3Ph input)	3 x 380VAC / 400VAC (3Ph + N)								
Voltage Range	285 VAC ~ 475VAC								
Frequency Range	50/60Hz ± 1%								
OUTPUT									
Output Voltage(Each phase)	3 x 380VAC / 400VAC (3Ph + N)								
Voltage stability	Stationary:±1% Typical , Transitory: ±5% (load variations 100-0-100%)								
Frequency Range (Synchronized Range)	50/60 Hz synchronised ±1 %								
Frequency tracking rate	±1 Hz/s								
Peak factor	3:1 (Max.)								
Harmonic Distortion	<2% (Linear Load) ; <5% (Non-linear Load)								
Load power factor range	0.6~1 (inductive or capacitive)								
Overload capacity	110-150% for 10min-1min; 150-160% for 1min-200ms								
Output waveform	Pure Sinewave								
Phase unbalance Dynamically adjustable time Unbalanced	120° ±1% (balanced load) 120° ±2% (imbalances 50% of the load) 3 cycles at 90 % of the static value								
voltage Current limit	<1%								
	High overload, short-circuit: RMS Voltage Limit ; High Crest-Factor current: Peak Voltage Limit								
BYPASS									
Type	Solid state								
Voltage	3 x 380VAC/400VAC (3Ph + N)								
Frequency	50/60Hz								
control method	Microprocessor control								
Transfer Time	Synchronous mode - switch uninterrupted; Non-synchronous mode - 10ms								
Overload capacity	150-180% for 1h-30s, 180%-200 for 30s-200ms								
Transfer to Bypass	Immediate, for overloads above 160%								
Retransfer	Automatic after alarm clear								
MAINTENANCE BYPASS									
Type	Without interruption								
Voltage	3 x 380VAC/400VAC (3Ph + N)								
Frequency	50/60Hz								
BATTERY & CHARGER									
Battery Type	Optional: constant voltage charging / constant current charging								
Accuracy	±1%								
Charging Current	40 A								
Charging Voltage	398 - 440 VDC (29/30/31/32 pcs adjustable, default 32pcs batteries)								
Battery type	Sealed lead acid, Nickel chrome								
PHYSICAL									
Lx Wx H(mm) Battery	656*405*817		606*405*941	821*432*1159			975*554*1286		975*635*1326
Lx Wx H(mm) Box	785*535*985		656*405*1110	950*560*1133			1125*705*1465		1125*786*1535
Net Weight (Kg)	123	126	175	241	278	400	471	560	650
Gross weight(Kg)	140	143	188	261	298	428	500	590	683
Use environment									
Humidity	0-95 % RH @ 0- 40°C (Not condensation)								
Noise	less than 58dB @1 Meter				less than 60dB @1 Meter				
Control management									
Smart RS-232 / USB RS485/	Support Windows® 2000/2003/XP/Vista/ 2008, Windows ® 7/8, Linux, Unix, and MAC								
Dry contact/UPS Service card	Network management, emergency shutdown, drv contact signal, APP, WEB management, SMS alarm								