

WSL33 Series

Three Phase Low Frequency Online UPS



Application:

WSL33 series Low frequency Online UPS is most advanced and new intelligent digital UPS by WSLI. It is combined with high speed MCU, advanced DSP technology, the sixth generation low consume large power, IGBT and static switch. Widely used in telecommunication, data center, banks, negotiable securities, traffic, arms, security, electronics, industry, large enterprises and so on.

Key Features:

MAXMUM BATTERY CARE

Battery deep discharge protection;
Temperature compensating charger;
Built-in automatic and manual battery test feature.

SIMPLE TO INSTALL

Capability to install the UPS into any distribution system(neutral not required on rectifier input)
Capability to separate the rectifier/bypass power networks and to power these from two separate sources,without Galvanic isolation(Necessary on UPS without an output transformer)

HIGH RELIABILITY

Extremely high shourt –circuit current to ensure compatibility with the most difficult transformer applications(lighting,drives and industrial processes)and an isolation transformer on the inverter output;
Full microprocessor control with no-break static and manual bypasses;
IGBT technology.

OTHER CHARACTERISTICS

0.8 power factor make GP33 Series suitable for powering ICT and industrial loads;
High level diagnostics:event lo with 128messages, states,measurements and alarms-available from the built-in LCD in several languages;
BACK FEED protection:to avoid energy feeding back into the mains supply should a fault occur.

ADVANCE COMMUNICATION

Compatible with TeleNetGuard for remote maintance;
Advanced ,multi-platform communication for all operation systems and network environments;Watch&Save 3000 monitoring and shut-down software included,with SNMP agent, for Windows2008,Vista, 2003,xp;Mac OSX,Linux, Novell and most popular Unix operating systems;
The UPS is supplied with a cable for direct connection to the PC(plug and play)
RS232 double serial port;
Installation slot for an emergency power off(EPO) interface to allow the UPS to be switched off remotely in an emergency;
Generator interface:enables desynchronisation of the UPS output from a generator supply which may be subject to phase and frequency variations.The interface also enables more economic use of the battery charge.

SPECIFICATIONS:



Model	WSL3310-WSL3200K											
Capacity (VA)	10K	15K	20K	30K	40K	60K	80K	100K	120K	160K	200K	
Nominal output capacity	8KW	12KW	16KW	24KW	32KW	48KW	64KW	80KW	96KW	128KW	160KW	
Input												
Rated voltage	220V 380V 400 Vac three-phase											
Voltage range	±20%											
Frequency range	45-65Hz											
Power factor	>0.9 with harmonic filter											
Current harmonic distortion	<5% with harmonic filter											
Soft start	0-100% in10"											
Bypass Input												
Rated voltage	400Vac three-phase											
Permitted voltage range	±15%(selectable from ±10% to±25% from front panel)											
Rated frequency	50/60Hz											
Permitted frequency range	±2%(selectable from ±1% to±5% from front panel)											
Standard features	BackFeed portection;split bypass line											
Batteries												
Type	Maintenance-free lead-acid VRLAAGM/GEL;NICd											
Maximum recharge current(A)	0.2xC10											
AC ripple voltage	<1%											
Inverter output												
Rated power(KVA)	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	200KVA	
Active Power(KW)	8KW	12KW	16KW	24KW	32KW	48KW	64KW	80KW	96KW	128KW	160KW	
Number of phases	3+N											
Rated voltage(V)	400Vac											
Regulation of the output voltage	348-424Vac phase/neutral(from control panel)											
Crest factor(Ipeak/Irms)	3:1											
Static stability	±1%											
Dynamic stability	±5%											
Frequency	50/60Hz configurable											
Overload	110% 125% 150% of the rated current for 5h/10'/1'											
Frequency stability	±0.05% on mains failure;±2%(selectable from±1% to±5%)with mains supply present											
System	10KVA	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	160KVA	180KVA	
Remote signaling	Volt free contacts											
Remote controls	EPO and Bypass											
Communication	RS232+romote contacts											
Operation temperature	0°C/+40°C											
Relative humidity	<95% non condensing											
Colour	Light grey(RAL 7035)											
Noise	54~62dBA at 1m					54~65dBA at 1m						
Protection degre	IP20											
Efficiency Smart Mode	up to 98%											
Compliance	Safety:EN 62040-1-1(Directive 2006/95/EC);EMC:6200-2(Directive 2004/108/EC)											
Weight(KG)N.W	200	220	250	290	350	460	550	900	1020	1250	1500	
Dimension:(WxDxH)mm	555x720x1200					800x740x1400			1200x740x1400		1420x860x1600	
Internal batteries	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	

* Product specifications are subject to change without further notice.



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