

ONL II-33

Quality, Rigidity, Energy-saving - Professional Class Power Stabilization Planning

ECO Energy-Saving

Intellectual heat radiation control, reducing noise and extending service life.

Easier for plant house planning

Significant smaller model dimensions, more convenient for the plant power protection with 1+1 parallel capability for demand capacity up to 500KVA.

Upgraded VIS

Built-in maintenance administrator, easier for management and maintenance.

Human-voice Alarm

True human-sound alarm to warn control the situation at the first sign of emergency.

Dry Contact Function

Contain 16 units of dry contacts for signal control in which, 4 of them can be used to select the function from the panel.

Fashionable Vision

7" TFT LCD color interface and touch panel.

Overloading Capacity

Superb overloading capacity of 150% for 1 minute.

Intellectual Heat-radiating Mode

Reduce noise and save energy under light-duty loading.

Remote Control

Standard built-in remote control, to monitor, manage, and operate the system from distanced location.



Server



Industrial



Office



Telecom



Transport



Hospital



10-30KVA

45-120KVA

160-250KVA

Specification

Model	ONL II-10K33	ONL II-15K33	ONL II -20K33	ONL II-30K33	ONL II-45K33	ONL II-60K33
Capacity						
Capacity (VA)	10 KVA	15 KVA	20 KVA	30 KVA	45 KVA	60 KVA
Capacity (Watts)	8 KW	12 KW	16 KW	24 KW	36 KW	48 KW
Phase	Three Phase					
Main Input						
Grid System	3 Phases + Neutral + Ground					
Voltage	190 / 200 / 208 / 220 / 380 / 400 / 415 / 440 VAC (Line-Line)					
Voltage Range	152 - 528 VAC (Line-Line)					
Frequency	50 / 60Hz (Auto Sensing)					
Frequency Range	45 - 65Hz					
Output						
Inverter Voltage	190 / 200 / 208 / 220 / 380 / 400 / 415 / 440 VAC (Line-Line)					
Inverter Frequency	50 / 60Hz					
Output Power Factor	0.8-1.0 Lagging					
Voltage Precision	±1.0% (100% Linear Load)					
Transient Response	Linear Load 0-100 % < 5%					
Transient Recovery	±2.0% < 50 ms					
Output THDv	<3% (Linear Load)					
Inverter Overload	> 100%, 30 min					
	> 125%, 10 min					
	> 150%, 1 min					
Frequency Regulation	50 / 60Hz ± 0.1%					
Synchronized Range	Default Range :± 5 Hz					
Synchronized Slew Rate	Default Range :1 Hz/s					
Battery And Charger						
Battery Voltage	10-80K(120/208VAC) : 192VDC, 12V-16 pcs as one set					
Charger Voltage precision	1%					
Charger Power	Battery 16 pcs-220VDC, Battery 30 pcs-410VDC, Battery 32 pcs-435 VDC					
Bypass Input						
Voltage	190 / 200 / 208 / 220 / 380 / 400 / 415 / 440 VAC (Line-Line)					
Voltage Range	152 - 528 VAC (Line-Line)					
Frequency	50 / 60 Hz					
Frequency Range	45 - 65 Hz					
Bypass Overload	> 100%, 30 min					
	> 125%, 10 min					
	> 150%, 1 min					
Efficiency						
Normal Operation	> 85 %		> 86 %		> 88 %	
Battery Operation	> 87 %		> 88 %		> 90 %	
Static Transfer Switch						
Inverter to Bypass	0 ms					
Bypass to Inverter	0 ms					
Transfer Efficiency	> 99%					
Environmental						
Operation Temperature	0 - 40°C					
Storage Temperature	-15 - 60°C					
Relative Humidity	0 ~ 95% (Non condensing)					
Noise (1m from surface)	Less than 60 dBA					
Altitude	Normal Load: <1000m					
	Load derated 1% per 100m From 1000 to 2000m					
Physical Data						
Dimension (WxDxH) (mm)	530 x 859 x 1010				810 x 810 x 1900	
Weight (kg)	310	340	368	398	515	567
Alarm						
Event Log	Detail UPS status description not use error code, record item number of event max 2400					
Network	Network connection port (10/100 Base. T) and remote monitor control, not use SNMP card.					
Dry Contact	Max item: 20 status, programmable select: 4 item					
System						
Display	7" TFT LCD Touch Screen Indicator					
Interface	Standard : RS232 / RS485 / Dry Contact					
	Optional : SNMP					
Other Function	Standard : Battery Cold Start					
	Optional : Parallel Kit					

** Specifications are subject to change without further notice.

** Specifications are for reference, please refer to information based on real product.

Specification

Model	ONL II-80K33	ONL II-100K33	ONL II-120K33	ONL II-160K33	ONL II-200K33	ONL II -250K33
Capacity						
Capacity (VA)	80 KVA	100 KVA	120 KVA	160 KVA	200 KVA	250 KVA
Capacity (Watts)	64 KW	80 KW	96 KW	128 KW	160 KW	200 KW
Phase	Three Phase					
Main Input						
Grid System	3 Phases + Neutral + Ground					
Voltage	190 / 200 / 208 / 220 / 380 / 400 / 415 / 440 VAC (Line-Line)					
Voltage Range	152 - 528 VAC (Line-Line)					
Frequency	50 / 60Hz (Auto Sensing)					
Frequency Range	45 - 65Hz					
Output						
Inverter Voltage	190 / 200 / 208 / 220 / 380 / 400 / 415 / 440 VAC (Line-Line)					
Inverter Frequency	50 / 60Hz					
Output Power Factor	0.8 - 1.0 Lagging					
Voltage Precision	±1.0% (100% Linear Load)					
Transient Response	Linear Load 0-100 % < 5%					
Transient Recovery	±2.0% < 50 ms					
Output THDv	<3% (Linear Load)					
Inverter Overload	> 100%, 30 min					
	> 125%, 10 min					
	> 150%, 1 min					
Frequency Regulation	50 / 60Hz ± 0.1%					
Synchronized Range	Default Range : ± 5 Hz					
Synchronized Slew Rate	Default Range : 1 Hz/s					
Battery And Charger						
Battery Voltage	80K(120/208VAC) : 192VDC, 12V-16 pcs as one set 80-120K(220/380VAC) : 360VDC, 12V-30 pcs as one set			160K-250K(220/380VAC) : 384V, 12V-32 pcs as one set		
Charger Voltage precision	1%					
Charger Power	Battery 16 pcs-220VDC, Battery 30 pcs-410VDC, Battery 32 pcs-435 VDC					
Bypass Input						
Voltage	190 / 200 / 208 / 220 / 380 / 400 / 415 / 440 VAC (Line-Line)					
Voltage Range	152 - 528 VAC (Line-Line)					
Frequency	50 / 60Hz					
Frequency Range	45Hz to 65Hz					
Bypass Overload	> 100%, 30 min					
	> 125%, 10 min					
	> 150%, 1 min					
Efficiency						
Normal Operation	> 89 %			> 90 %		
Battery Operation	> 91 %			> 92 %		
Static Transfer Switch						
Inverter to Bypass	0 ms					
Bypass to Inverter	0 ms					
Transfer Efficiency	> 99%					
Environmental						
Operation Temperature	0 - 40°C					
Storage Temperature	-15 - 60°C					
Relative Humidity	0 ~ 95% (Non condensing)					
Noise (1m from surface)	Less than 60 dBA					
Altitude	Normal Load: <1000m					
	Load derated 1% per 100m From 1000 to 2000m					
Physical data						
6P	Dimension (WxDxH)(mm)	810 x 810 x 1900 (220/380VAC)			1400 x 1000 x 1800 (220/380VAC)	
	Weight (kg)(Without Battery)	677	680	730	1035	1055 1075
12P	Dimension (WxDxH)	1300 x 810 x 1900 (220/308VAC)			1400 x 1000 x 1800 (220/380VAC)	
	Weight (kg)(Without Battery)	810	860	910	1035	1055 1075
Alarm						
Event Log	Detail UPS status description not use error code, record item number of event max 2400					
Network	Network connection port (10/100 Base. T) and remote monitor control, not use SNMP card.					
Dry Contact	Max item: 20 status, programmable select: 4 item					
System						
Display	7" TFT LCD Touch Screen Indicator					
Interface	Standard : RS232 / RS485 / Dry Contact					
	Optional : SNMP					
Other Function	Standard : Battery Cold Start					
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