

LA-ON-33-20K



LA-ON-33-10K (L)
LA-ON-33-20KL



- True double-conversion
- DSP technology for a higher performance
- Wide input voltage range (110-300 VAC)
- Output power factor 0,8
- Active power factor correction in all phases
- Frequency conversion mode 50Hz/60Hz
- Accepts dual power inputs
- Emergency power off function -EPO-
- ECO mode operation for energy saving
- Generator compatible
- Multiple communication connectors: SNMP+USB+RS-232
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery quantity
- Maintenance bypass available
- Optional N+X parallel redundancy
- Optional isolation transformer available

LA-ON-33 SERIES (3PHASE IN / 3PHASE OUT) ON-LINE UPS

MODEL		LA-ON33-10K (L)**	LA-ON33-20K (L)**
CAPACITY		10000 VA / 8000 W	20000 VA / 16000 W
INPUT			
Voltage range	Low Line Transfer	176 VAC (phase voltage) ± 3 @ 100% load 110 VAC (phase voltage) ± 3 @ 50% load	
	Low Line Comeback	186 VAC (phase voltage) @ 100% load 120 VAC (phase voltage) @ 50% load	
	High line Transfer	300 VAC (phase voltage) $\pm 3\%$	
	High line Comeback	290 VAC (phase voltage) $\pm 3\%$	
Frequency Range		46-54 Hz at 50Hz / 56-64 Hz at 60Hz	
Power Factor		≥ 0.99 @ 100% load	
OUTPUT			
Output Voltage		3 x 400V (3 Phase + N)	
AC Volt. Regulation (Batt. mode)		$\pm 1\%$	
Frequency Range (Synchronized Range)		46-54 Hz at 50 Hz / 56-64 Hz at 60 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio		3:1 (max)	
Harmonic Distortion		$\leq 2\%$ THD (Linear Load) $\leq 5\%$ THD (Non-Linear Load)	
Transfer time	AC Mode to Batt. Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)		Pure Sinewave	
EFFICIENCY			
AC Mode		89%	
Battery Mode		86%	87%
BATTERY			
Standard Model	Battery type	12V / 9Ah	
	Quantity	20 pcs. (18-20 pcs adjustable)*	20pcs.x2strings (18-20 pcs adjustable)*
	Typical Recharge Time	9 hours recover to 90% capacity	
	Max Charging Current	1A	2A
Long-run model	Charging Voltage	273 VDC $\pm 1\%$	
	Quantity	Depending on applications	
	Max Charging Current	4A	8A
	Charging Voltage	273 VDC $\pm 1\%$	
INDICATORS			
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer and Fault	
ALARM			
Battery mode		Sounding every 4 seconds	
Low Battery		Sounding every second	
Overload		Sounding twice every second	
Fault		Continuously sounding	
PHYSICAL			
Standard Model	Dimensions, DxWxH (mm)	592 x 250 x 575	815 x 250 x 826
	Net Weight (Kg)	83	164
Long-run model	Dimensions, DxWxH (mm)	592 x 250 x 575	592 x 250 x 575
	Net Weight (Kg)	28	40
ENVIRONMENT			
Humidity		0-95 % RH at 0-40°C (non-condensing)	
Noise Level		< 58dB at 1 meter	< 60dB at 1 meter
SOFTWARE MANAGEMENT			
Smart RS-232 & USB		Supports Windows 2000/2003/XP/Vista/2008/7, Linux, Unix & Mac	
Optional SNMP		Power management from SNMP manager and web browser	

*When using from 18-19 internal batteries, the unit will derate according to the following formula: $P = P_{\text{Rating}} \times (N/20 \times 100\%)$

** L means Long-run model

Specifications are subject to change without further notice.