



- True double-conversion
- Wide input voltage range (110-300 VAC)
- Input power factor correction 0.98
- Output Power Factor 0.8
- 50Hz/60Hz frequency converter mode
- Programmable power management outlets
- Emergency power off function (EPO)
- Optional Eco-mode operation for energy saving (ECO)
- Generator compatible
- Charger capacity expansion to 9A for long-run models
- SNMP+USB+RS-232 multiple communications
- 3-stage intelligent charging design in 6K/10K models for optimized battery performance
- Maintenance bypass available for 6K/10K models
- N+X parallel redundancy available for 6K/10K models

LA-ON-LCD ONLINE UPS SELECTION GUIDE						
MODEL		LA-ON-1K-LCD (L)	LA-ON-2K-LCD (L)	LA-ON-3K-LCD (L)	LA-ON-6K-LCD (L)	LA-ON-10K-LCD (L)
<b>CAPACITY</b>		1000VA / 800W	2000VA / 1600W	3000VA / 2400W	6000VA / 4800W	10000VA / 8000W
<b>INPUT</b>						
Voltage Range	Low Line Transfer	160 VAC / 140 VAC / 120 VAC / 110 VAC $\pm$ 5 % or 80 VAC / 70 VAC / 60 VAC / 50 VAC $\pm$ 5 % (based on load percentage 100%-80% / 80%-70% / 70%-60% / 60%-0)			176 VAC $\pm$ 3 @ 100% load 110 VAC $\pm$ 3 @ 50% load	
	Low Line Comeback	175 VAC $\pm$ 5 % or 85 VAC $\pm$ 5 %			186 VAC @ 100% load	
	High Line Transfer	300 VAC $\pm$ 5 % or 150 VAC $\pm$ 5 %			300 VAC $\pm$ 3%	
	High Line Comeback	290 VAC $\pm$ 5 % or 145 VAC $\pm$ 5 %			290 VAC	
Frequency Range		40Hz ~ 70 Hz			46-54 Hz $\odot$ 50Hz / 56-64 Hz $\odot$ 60Hz	
Phase		Single phase with ground				
Power Factor		$\geq$ 0.99 @ 220-230VAC (input voltage)			$\geq$ 0.99 @ 100%load	
<b>OUTPUT</b>						
AC Voltage Regulation (Batt. Mode)		$\pm$ 3%			$\pm$ 1%	
Frequency Range (Synchronized Range)		47 ~ 53 Hz or 57 ~ 63 Hz			46-54 Hz $\odot$ 50 Hz / 56-64 Hz $\odot$ 60 Hz	
Frequency Range (Batt. Mode)		50 Hz $\pm$ 0.25 Hz or 60Hz $\pm$ 0.3 Hz			50 Hz $\pm$ 0.1 Hz or 60 Hz $\pm$ 0.1 Hz	
Current Crest Ratio		3:1				
Harmonic Distortion		$\leq$ 3 % THD (Linear Load)	$\leq$ 4 % THD (Linear Load)		$\leq$ 3 % THD (Linear Load)	
		$\leq$ 6 % THD (Non-linear Load)	$\leq$ 7 % THD (Non-linear Load)		$\leq$ 6 % THD (Linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero				
	Inverter to Bypass	4 ms (Typical)			zero	
Waveform (Batt. Mode)		Pure Sinewave				
<b>EFFICIENCY</b>						
AC Mode		~ 85%	~ 88%		89%	
Battery Mode		~ 83%			88%	
<b>BATTERY</b>						
Standard Model	Battery Type	12V / 7AH	12V / 7AH	12V / 9AH	12V / 7AH	12V / 9AH
	Numbers	3	6	6	20	20
	Typical Recharge Time	4 hours recover to 90% capacity			7 hours recover to 90% capacity	8 hours recover to 90% capacity
	Charging Current (max.)	1.0 A (max)				
	Charging Voltage	41.0 VDC $\pm$ 1%	82.1 VDC $\pm$ 1%		273.0 VDC	
Long-run Model	Battery Type	Depending on the capacity of external batteries				
	Numbers					
	Charging Current (max.)	4.0 A or 8.0 A			4.0 A $\pm$ 10% (max)	
	Charging Voltage	41.0 VDC $\pm$ 1%	82.1 VDC $\pm$ 1%		273.0 VDC @ 20pcs batteries	
<b>INDICATORS</b>						
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
LED Panel		UPS status, Load level, Battery level, and Fault indicators				
<b>ALARM</b>						
Battery Mode		Sounding every 4 seconds				
Low Battery		Sounding every second				
Overload		Sounding twice every second				
Fault		Continuously sounding				
<b>INTERFACE</b>						
Power Output		4xIEC	8xIEC	6xIEC + Terminal Block	2xIEC + Terminal Block	2xIEC + Terminal Block
Communication Ports		1xUSB + 1xRS232 + 1xRJ45			1xUSB + 1xRS232 + 1xRJ45	
<b>PHYSICAL</b>						
Dimension, D X W X H (mm)		397 X 145 X 220	421 X 190 X 318		592 X 250 X 576	
Net Weight (kgs)	Standard model	13	26	28	81	83
	Long run model	7	13		25	27
<b>ENVIRONMENT</b>						
Operation Humidity		20-90 % RH @ 0- 40°C (non-condensing)				
Noise Level		< 45dBA @ 1 Meter			< 55dB @ 1 Meter	< 58dB @ 1 Meter
<b>MANAGEMENT</b>						
Smart RS-232		Supports Windows 98 SE/ME/NT 4.x/2000/2003/XP/Vista/2008/7, Linux, Unix and Mac				
USB						
Optional SNMP		Power management from SNMP manager and web browser				

\* L means long-run model

\* Specifications are subject to change without further notice