

Technical Specification - LKVA LED Model, Solar

Parameters			
Capacity		700VA	900VA
Operating DC Voltage		12V	
Switching Element		Mosfet	
Charger Topology		Boost Mosfet	
Parameters (Grid)		Default Value	
Nominal Grid Voltage		230V/ 50Hz	
Battery Low Buzzer		10.8V	
Battery Low Cut		10.6V	
Battery High Cut		14.4V	
Grid Charging Current		12A/15A	
Grid Low Cut Voltage	UPS MODE ENABLE	180V±10V / 100V±10V	
Grid Low Cut Recovery	UPS MODE ENABLE	190V±10V / 110V±10V	
Grid High Cut Voltage	UPS MODE ENABLE	270V±10V / 290V±10V	
Grid High Cut Recovery	UPS MODE ENABLE	260V±10V / 280V±10V	
Changeover (Batt. to Mains)	UPS MODE ENABLE	<5ms	
Changeover (Mains to Batt.)	UPS MODE ENABLE	<5ms/<12ms	
Parameters (Inverter)			
Output Phase		1 Phase	
Nominal Output Voltage		220V±8%	
Max. Output Current		1.8A	2.1A
Nominal Frequency		50Hz±1%	
Output Waveform		Sinewave (Pure)	
Typical Efficiency		≥75%	≥77%
Voltage Harmonic		<3% (Linear Load)	
Over Load Capacity		>110% 3Time Auto Reset, 4th Time Shut Down	
		>150% 1st Time Shut Down	
		>200% Shortcircuit Protection	
Protection		Overload, Battery Low, Battery High, Output Short Ckt., Output not OK, Over temperature, Fuse/MCB trip.	
LED Indication		Sys ON, UPS/INV Mode, Mains ON, Charging, overload SKT	
Switches		Reset for System ON/OFF, UPS mode, HC/NC	
Parameters (Environment)			
Operating Temperature		0-50°C	
Cooling		Fan	
Max. Relative Humidity @25°C (non Condensing)		95%	
Noise @ 1meter		50dB	
Standard Compliance		IP20	
Weight (Kg)		9.0	10.0
Dimension (with Packing) L x W x H(cm)		30 x 33 x 20	30 x 33 x 20

* specification are subject to change without prior notice due to constant improvement in design & technology