

SMLR SERIES

6 - 10 KVA (1 PH - 1 PH)
Online UPS TRANSFORMER BASED

VIVATK

Features

- * Advanced Technology: DSP based control for power and monitoring.
- * IGBT (insulated gate bipolar transistor) inverter technology
- * Pure sine wave output,
- * True on-line dual conversion design for UPS
- * Wide Input Range, Robust Design for Harsh Environment
With Isolation Transformer at Output
- * Engineered Design, Easy for Maintenance and Minimize MTTR
- * CNC Fabricated sheet enclosure for better aesthetics and consistency
- * Three phase separate control, realizes the control of instantaneous over-loading balance, so as to reach 100% unbalanced load in three phase UPS
- * Intelligent communication optional SNMP and dry contact.
- * Perfect protection, Input/output over/low voltage protection, input surge protection, phase sequence protection, battery over charge/discharge protection, short circuit protection, over-temperature protection displayed on LCD display with alarm function.
- * Excellent load feature, It is completely capable to load from 0-100%
- * Specifications can be customized to suit specific requirements.



Application Areas

- * Computer and Data Centers.
- * Process Control in industries like CNC, Lazor
- * Broadcasting / SAT systems
- * Internet Service Provider
- * Safety System in Power Plants
- * Medical Imaging Equipments, like MRI, CT scan, laser etc
- * Elevator backup and rescue operations
- * Banks and ATM centers
- * Frequency and voltage converters to suit different world wide voltages and frequencies
- * Applications requiring Constant frequency and constant voltage

 **Anushri Systech Private Limited**

An ISO 9001:2008 Certified Company

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Technical Specification



MODEL :		6K11SMLR / 10K11SMLR
Rating	6KVA / 10KVA	
AC INPUT	230V + 20% -15%, Single Phase Input	
Frequency	50Hz \pm 6%	
DC VOLTAGE	144/180/192 VDC (factory settable)	
Charging Time	12 Hours for 90% of full Capacity	
Charger Type	CVCC (Constant Current Constant Voltage type)	
INVERTER :		
Technology	DSP Based, IGBT Switching	
Output Voltage	230V AC Single Phase	
Voltage Regulation	\pm 1%	
Frequency	50Hz \pm 0.1 Hz	
Waveform	PWM Sine wave	
Harmonic Distortion	Less than 3% on Linear Load	
Inverter Efficiency	Upto 90%	
Power Factor	0.8	
Overload	110 % for 5 min, 150% for 30 sec	
Crest Factor	3:1	
Audible Noise	Less than 55 dB at 1 Meter	
DISPLAY:		
Digital LCD Display for	Input and Output Voltages, Output currents & Frequency, DC Voltage, Battery and Load Percentage and All Faults	
GENERAL :		
Operating temperature	0°C to 40°C	
Humidity	Max 95%, Non-condensing	
PROTECTIONS	Output Overload & Short circuit, Output Under & Overvoltage, DC under & overvoltage, Mains under and over voltage	
INDICATIONS & ALARMS		
a) Mains On	LED Indication	
b) Inverter	LED Indication	
c) Batt Loc	LED Indication & Alarm	
d) Fault	LED Indication & Alarm	
e) Overload	LED Indication & Alarm	
OPTIONAL		
Communication	SNMP	
Bypass	Static Switch	

* All specifications Subject to change without notice