

DESCRIPTION

The Simtek® Pure Sine UPS / Inverter is a high-performance power solution engineered to provide uninterrupted and reliable AC supply by efficiently converting stored DC energy into a clean, stable sine wave output. Designed to replicate utility-grade electricity, it ensures smooth and consistent power delivery with minimal electrical noise, reduced voltage fluctuations, and protection against harmful harmonic distortion.

Built with advanced protection features and intelligent power management, the Simtek® UPS / Inverter not only safeguards connected devices but also enhances their lifespan and operational efficiency.

KEY FEATURES

- Pure Sine Wave UPS/Inverter with generator compatibility
- Selectable input voltage range for appliances & sensitive equipment
- Adjustable charging (10A / 20A) with support for GEL, LiFePO4 & AGM batteries
- 3-stage smart charging with utility charging OFF option for energy saving
- PRO SOL Mode for solar optimization
- Complete protections: Overload, Over Voltage & Short Circuit

SPECIFICATIONS			
Model	XL-1200	XL-1500	XL-2000
Capacity	1200 VA	1500 VA	2000 VA
INPUT			
Input Voltage (ACT MODE)	175 ~ 270 VAC ±5 VAC (Selectable)		
Input Voltage (REG MODE)	90 ~ 290 VAC ±5 VAC (Selectable)		
Transfer Time (ACT MODE)	2 ~ 4 ms		
Transfer Time (REG MODE)	8 ms		
Input Frequency	45 ~ 65 Hz		
OUTPUT			
Output Voltage	220 VAC ±5 VAC		
Output Frequency	50 Hz ±0.1 Hz		
Wave Form	Pure Sine Wave		
BATTERY			
Battery Voltage	12 VDC	12 VDC	24 VDC
Charging Current (AC)	Three Stage Intelligent charger 10A / 20A / OFF (Selectable)		
Battery Low Shutdown	9.8V, 10V, 10.5V, 10.8V (Selectable)		
Type Of Battery	GEL / LiFePO4 / AGM (Selectable)		
PRO.SOL			
Utility To Battery (Utb)	12.8V, 13.3V, 14V, Full (Selectable)		
Battery To Utility (Btu)	11V, 11.6V, 11.9V, 12.2V (Selectable)		
PHYSICAL			
Unit Dimension (mm)	290 x 255 x 125		
Gross Dimension (mm)	355 x 330 x 230		
Net Weight (KG)	8.5 KG	9.8 KG	12.1 KG
Gross Weight (KG)	9.5 KG	10.8 KG	13.1 KG
GENERAL			
Transformer	E-I Core		
Display	Digital LCD Display With User Configurable Parameters		
Topology	Sine Wave		
Protections	Over load, Over temperature, Over Voltage, Under Voltage, Battery Deep Discharge , Battery Over Charge, Shortcircuit		
ENVIRONMENT			
Environment	Temperature 0°~40°, Humidity 20%~90%		
Noise Level	≤ 40dB (1m)		



Pure Sine Wave



Generator Compatible



Lithium Battery Supported



High/Low Voltage Protection



Super Wide Selectable Input Voltage Range



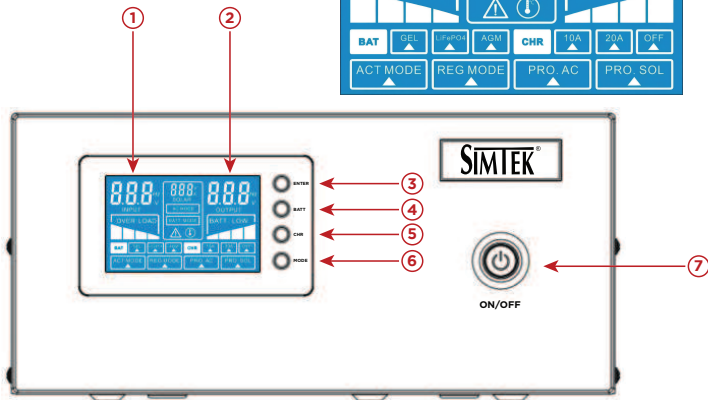
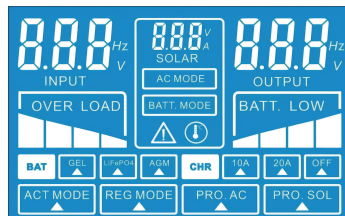
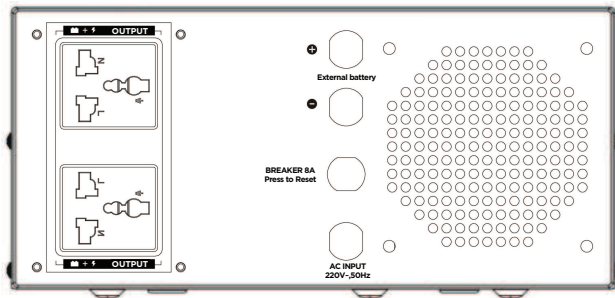
Built-in AVR For Low/High Voltage Charging



Battery Deep Discharge & Over Charging Protection



Overload, Short Circuit, Over Temperature Protection



- ① Input voltage
- ② Output voltage
- ③ Confirm button
- ④ Battery type selection
- ⑤ Charging current selection
- ⑥ Mode selection
- ⑦ ON/OFF switch

PURE
SINE WAVE
UPS / INVERTER

SIMTEK®



Long Backup
HOME & OFFICE APPLIANCES



BUILT-IN **3** STAGE
INTELLIGENT
CHARGER



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