

Uninterrupted Power for Uninterrupted Communication





Lithium Ion Battery Supported Online UPS

Introduction

LiWATT WINNER PRO 12V series UPS is a communication lithium battery based on innovative high-technology UPS design. It is specially designed with a 12-Volt system and a higher charging current for quick battery charging and to ensure efficient backup with advanced features.

Feature of Winner Pro 12V Series UPS

- True double conversion UPS.
- Pure sinewave output.
- Output Power factor 0.8
- Comprehensive display allows easy monitoring and access of UPS status
- Compatible with Generator
- Wide input voltage (110 V – 300 V)
- Overload and short circuit protection
- Battery charging current at 10A
- Smart SNMP works well with either USB or RS-232 together
- Common 12Vdc lithium battery pack for the parallel system
- ECO mode for energy saving

Technical Specification

MODEL		Winner Pro 1KL(1BT)
PHASE		Single phase with ground
CAPACITY*		1000 VA / 800 W
		INPUT
Nominal Voltage		200/208/220/230/240VAC
Input Voltage Range		110-285 VAC (Based on load at 50%) 160-280VAC (Based on load at 100%)
Frequency Range		40Hz ~ 70 Hz
Power Factor		≤0.99 @ Nominal Voltage (100% load)
		OUTPUT
Output Voltage		200/208/220/230/240VAC
Voltage Regulation		± 1%
Frequency Range (Synchronized Range)		47~ 53 Hz or 57 ~ 63 Hz
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz
Current Crest Ratio		3:1
Harmonic Distortion		≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)
Transfer Time	AC Mode to Battery Mode	Zero
	Inverter to Bypass	4 ms (Typical)
Waveform (Batt. Mode)		Pure Sinewave
		EFFICIENCY
AC Mode		88%
Battery Mode		81%
		BATTERY
Battery Type		Lithium or VRLA
Battery Voltage		12VDC
Operating Voltage Range		10V~14.6VDC
Charging Voltage		14.6VDC ± 1%
Charging Current (max.)		10A
Number of battery		1
		PHYSICAL
Dimension, D x W x H (mm)		282 x 145 x 220
Net Weight (kgs)		4.1± 0.5
		ENVIRONMENT
Humidity		20-90 % RH @ 0- 40°C (non-condensing)
Noise Level		Less than 50dBA @ 1 Meter
Operating Temperature		0°C to 55°C
Storage Temperature		-50°C to 55°C
		MANAGEMENT
Smart RS-232		Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC

*Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 200/208VAC

**Long-run model is only available in 200/208/220/230/240VAC systems

* Product specifications are subject to change without further notice