



LiWATT-Galleon One 48V Series

Introduction

LiWATT GALLEON ONE 48V series UPS is a communication lithium battery based on innovative high-technology UPS design. It is specially designed with a 48-Volt system and a higher charging current for quick battery charging and to ensure efficient backup with advanced features.

Feature of Galleon One 48V Series UPS

- True double conversion UPS.
- Zero transfer time
- Pure sinewave output.
- Output Power factor 0.8~1.0
- 93% high efficiency
- Configurable charging current via LCD setting.
- Compatible with Generator.
- Cold start capability.
- Overload and short-circuit protection.
- Very powerful AC charging current at 60A.
- Optional parallel operation up to 9 units for single-phase and three-phase applications.
- Common 48Vdc lithium battery pack for the parallel system.
- Full-Bridge inverter design to support half-wave load and unbalanced load.

Technical Specification

MODEL			Galleon One 3KL-48V	Galleon One 6KL-48V
Rated Power			3000VA/3000W	6000VA/5100W
INPUT				
Voltage			230 VAC	
Voltage Range			110~280 VAC	
Frequency Range			46~54 Hz or 56~64 Hz	
Power Factor			≥ 0.98 @ Nominal Voltage (100% Load)	
THDi			≥ 10%	
			OUTPUT	
AC Voltage Regulation (Batt. Mode)			230 VAC ± 5%	
Frequency Range (Synchronized Range)			46~54 Hz or 56~64 Hz	
Frequency Range (Batt. Mode)			50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz	
Harmonic Distortion			≥ 3 % THD (Linear Load); ≥ 5 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode		0ms	
	Inverter to Bypass		4 ms (Typical)	
Waveform			Pure sine wave	
EFFICIENCY				
Line Mode			93%	
ECO Mode			98%	
Battery Mode			93%	
BATTERY				
Battery Voltage			48 VDC	
Operating Voltage Range			40~66 VDC	
Floating Charge Voltage			54 VDC	
Overcharge Protection			66 VDC	
Charging Current (max.)			60A	
PHYSICAL				
Dimension, D X W X H (mm)			420 x 438 x 130.8	
Net Weight (kgs)			15±0.5kg	
Communication Interface			RS232 & USB	
OPERATING ENVIRONMENT				
Humidity			5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature			0°C to 55°C	
Storage Temperature			-15°C to 60°C	

* Product specifications are subject to change without further notice