



Standard 19 Inch 2 RU Rack Mount Power Inverter



Unit Shown: LTI2 Pro-6K-125

The La Marche LTI2 PRO Inverter is designed for 1kVA to 6kVA with pure sine wave 120VAC 60Hz power at output from a 48V or 125V DC input source. This inverter is equipped with standard features such as voltage regulation, under/over-voltage conditions, and overload protection with $\geq 85\%$ efficiency.

Features

True Sine Wave (THD $< 3\%$)

5 Dry Contacts

LCD Display

SNMP

Specifications

Parameters		LTI2 PRO 1K-48-A6	LTI2 PRO 2K-48-A6	LTI2 PRO 3K-48-A6	LTI2 PRO 3K-125-A6	LTI2 PRO 4K-48-A6	LTI2 PRO 4K-125-A6	LTI2 PRO 5K-48-A6	LTI2 PRO 5K-125-A6	LTI2 PRO 6K-125-A6	
Capacity (VA)		1kVA	2kVA	3kVA		4kVA		5kVA		6kVA	
DC Input	Rated Input Voltage (Vdc)	48V	48V	48V	125V	48V	125V	48V	125V	125V	
	Rated Input Current (A)	20.8	41.6	62.5	27.2	83.3	36.3	106	45.45	54.54	
	Cut off- DC Input Range (Vdc)	40V-60V	40V-60V	40V-60V	90V-135V	40V-60V	90V-135V	40V-60V	90V-135V	90V-135V	
	Operating- DC Input Range (Vdc)	45.5V-57V	45.5V-57V	45.5V-57V	104V-131V	45.5V-57V	104V-131V	45.5V-57V	104V-131V	104V-131V	
Reflected Noise Current		$\leq 10\%$									
AC Bypass Input	Bypass Voltage Range (Vac)	85V-135V (+/-10V)									
AC Output	Rated Output Capacity (W)	800	1600	2400		3200		4000		4800	
	Output Voltage and Frequency	120Vac, 60Hz									
	Output Current (A)	6.7	13.3	20		27		33.3		40	
	Voltage Accuracy (V)	120Vac $\pm 1.5\%$									
	Frequency Accuracy (Hz)	60 $\pm 0.1\%$									
	Waveform	Pure Sine Wave									
	THD	$\leq 3\%$ (line load)									
	Dynamic Response Time	5%(load 0 \leftrightarrow 100%)									
	Power Factor (PF)	0.8									
	Overload Capability	110%-130% 60s							131%-150% 10s		
	Inverter efficiency (80% line load)	$\geq 85\%$									
Inverter \leftrightarrow Bypass (ms)	$\leq 8\text{ms}$										
Working Environment	Dielectric Strength (Input & Output)	1500Vac-10mA, 1 minute									
	Noise (1m)	$\leq 55\text{dB}$									
	Ambient Temp	$-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$									
	Humidity	0~90%, No condensation									
Communication	Altitude (m)	≤ 2000									
	RS232 & RS485	Yes									
	SNMP	Optional									
LCD Display	Dry Contact	DC Fault, AC Fault, Load Fault, Bypass, INV Fault									
	LCD Status	Input and Output Voltage, Frequency, Output Current									
Measurement	Inverter Status	Normal Mains, Normal Inverter, Battery Under-Voltage and Output Overload									
	Size W x D x H	16.1 x 13.7 x 3.5"				16.1 x 19 x 3.5"					
Working Environment	Weight	33 Lbs									
	LVD	EN 60950-1									
	EMC/EM I	EN 61000-6-3; EN 61000-6-1; IEC 61000-6-2 and IEC 61000-6-4									
Protection	ROHS	IEC 62321-4, IEC 62321-5; IEC 62321-6, IEC 62321-7; IEC 62321-8									
	Protection	Input under Voltage, Input over Voltage, Output Over load, Short Circuit									

Specifications subject to change without notice

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