



Standard 19 Inch 2 RU Rack Mount Power Inverter

The LTI2Pro Inverter with bypass integrates an inverter and a bypass circuit into one system. The bypass circuit provides an alternate path for electrical power to bypass the inverter and be directly connected to the load, allowing for continuous power to the load even if the inverter fails. In the event of an inverter failure or maintenance, the bypass circuit will automatically switch to provide power to the load, ensuring an uninterrupted power supply.

When the inverter is operational, it converts the DC power from a battery or other power source into AC power, which is then supplied to the load. The bypass circuit also helps to protect the load from power fluctuations and other disturbances, making it a useful feature in critical applications such as hospitals, data centers, and industrial processes.



Standard Features

- True Sine Wave (THD <3%)
- LCD Display
- 5 Dry Contacts
- SNMP

Model Number LTI2PRO-		1K-48-A6	2K-48-A6	3K-48-A6	3K-125-A6	4K-48-A6	4K-125-A6	5K-48-A6	5K-125-A6	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-155V	40V-60V	90V-155V	40V-60V	90V-155V	90V-155V	
	Operating- DC Input Range (Vdc)	45.5V-57V	45.5V-57V	45.5V-57V	100V-150V	45.5V-57V	100V-150V	45.5V-57V	100V-150V	100V-150V	
Reflected Noise Current		<=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 ±1.5%									
	Frequency Accuracy (Hz)	60±0.1%									
	Waveform	Pure Sine Wave									
	THD	≤3% (line load)									
	Dynamic Response Time	5% (load 0←→100%)									
	Power Factor (PF)	0.8									
	Overload Capability	100%-120% 60s							121%-150% 10s		
	Inverter efficiency (80% line load)	≥85%									
Inverter ←→ Bypass (ms)	≤8ms										
Working Environment	Dielectric Strength (Input & Output)	1500Vac-10mA, 1 minute									
	Noise (1m)	≤55dB									
	Ambient Temp	-20°C~+50°C									
	Humidity	0~90%,No condensation									
Communication	Altitude (m)	≤2000									
	RS232 & RS485	Yes									
	SNMP	Standard									
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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MANUAL BYPASS SWITCH

The Manual Bypass Switch (MBS) provides a mechanical means to transfer between power sources to your critical loads. Whether you are performing regular schedule maintenance on the system or in the event of an unexpected system malfunction, the power to the load can be safely transferred without being interrupted.

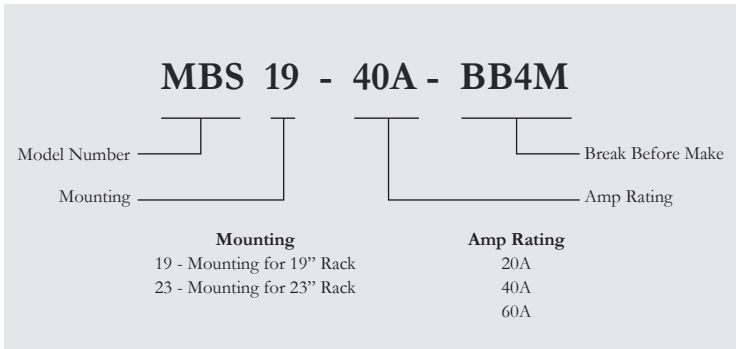
Standard Features

- Input & Output Terminal Block
- Rotary CAM Type Switch
- 2- Position for Complete Isolation
- Rack or Wall Mount Available
- UL Listed Bypass Switches
- 20 to 60 Amp Rating Switches



Unit Shown: Front Manual Bypass Switch and Back Manual Bypass Switch

Model Number Nomenclature



MBS Rating	Inverter Ratings	Rack Units
20A	1 to 2kVA	2
40A	3 to 4kVA	3
60A	5 to 6 kVA	4

