

WE GO THE DISTANCE FOR YOU



Ruggedized Traffic UPS / BBS

2000VA / 2000W
High Power BBS

PRODUCT INFO

Traffic control and signal equipment consistently experience power interruptions. The Marathon Power Ruggedized Traffic UPS series are maximum performance systems suitable for a wide range of transportation applications and extreme temperature environments. Designed for extended run-times, these units also feature temperature-compensated charging to maximize battery life in harsh environments. The units are extremely versatile and fully programmable to give complete control of system programming and data acquisition. They can also be customized to meet the requirements of your transportation application, making our units the most versatile battery back-up solution for traffic control and public safety.

Our largest model in the series is a 2000VA / 2000 watt model with a 48VDC bus that is designed for today's modern traffic cabinets and the smaller loads that are now prevalent with the use of LED lighting for signals. The unit is contained in a rugged, low profile 3U, rack- or shelf-mount chassis and has 4-line LCD panel to display various data, parameters and settings. There is also a 12 amp internal charger to ensure that larger battery strings are recharged in an appropriate amount of time.

FEATURES & BENEFITS

- ❑ High Power 2000VA / 2000W Line Interactive topology with Buck / Boost.
- ❑ Backlit 4-line LCD Display and LED indicators.
- ❑ 12A selectable temperature-compensated charger.
- ❑ Recessed Anderson Powerpole connectors.
- ❑ Fits in all types of traffic enclosures, control panels and custom pedestals.
- ❑ Low harmonic AC sine wave output in backup mode.
- ❑ Fully programmable AC threshold voltages.
- ❑ Transient voltage protection from damaging spikes & surges.
- ❑ External connections accessible from the front panel.
- ❑ Six fully programmable dry contacts for greater control.
- ❑ Remote access via RS-232, USB & Network.
- ❑ Time / Date stamp of events and alarms - up to 100 events.

APPLICATIONS

- ❑ Traffic Controls
- ❑ Signal Equipment
- ❑ Transportation Equipment
- ❑ Automated Parking Facilities
- ❑ Electronic Tolls
- ❑ Transportation Signs

**EXTREME
ENVIRONMENTAL
CONDITIONS**

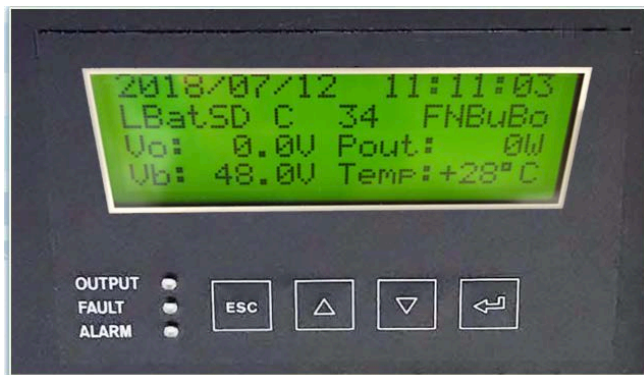


Mechanical Specifications

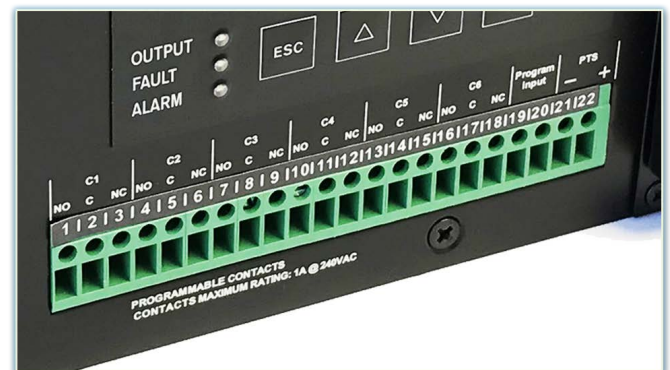
Dimensions mm / in	Weight	Input / Output Connections	Mounting
133 x 432 x 254 3U 5.3" x 17.0" x 10"	21 kg / 46 lbs	3 Position Terminal Block Anderson PP45 Quick Connector IEC socket	Rack / Shelf 19" (483 mm) 23" (584 mm)
Cooling (Ext. Fan)	Audible Noise Level	Operating Temperature	Storage Temperature
Microprocessor controlled, DC Fan 48VDC	<40 dBA	-37° C to +74°C / -35° F to +165° F	-50° C to +75°C / -58° F to +167° F

Electrical Specifications

Output Apparent Power	Output Active Power Inverter & Line Mode	Power Factor	Input Voltage Range	Output Voltage Inverter Mode	Maximum Input Current
2000VA (Inverter Mode) 2000VA (Line Mode)	2000W	1.0	User programmable 120V: 90 to 150 VAC 220V: 168 to 275 VAC 230V: 175 to 287 VAC 240V:183 to 300 VAC	120/220/230/240 VAC (Tolerances are User programmable) 120/220/230/240 VAC+/-5%	120V: 30A 220/230/240V:20A



4-LINE INTERACTIVE LCD DISPLAY PANEL



PROGRAMMABLE DRY CONTACTS



AC INPUT / OUTPUT CONNECTORS
& COMMUNICATION PORTS



BATTERY BREAKER & CONNECTOR
TEMPERATURE SENSOR & CONTROL

PART NUMBER: TRTC-2005-N1



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2538 E. 54th Street, Huntington Park, CA 90255 • 310-689-2328 • sales@marathon-power.com • marathon-power.com