

PB-2000



Traffic control Battery Backup from a traffic control company – the logical choice for reliable intersection operation.

The PB2000-ITS automatically provides emergency back-up power to traffic signals and controls whenever normal electric power is lost. It increases or decreases voltage to maintain normal operation during brownouts and power spikes, reducing the chance of dangerous intersection collisions due to “dark” signals, thus reducing the need for law enforcement and emergency personnel resources.

Minimizes component damage and signal tech callouts due to power failures.

Using the new web-card, it is easier than ever to connect to the Peek PB2000 via Ethernet. We now have the ability to setup multiple users and check current status from anywhere using most web browsers. The new Firmware will also send email notifications.



Peek Traffic Corporation, a Signal Group Company
5401 N Sam Houston Pkwy W Houston, TX 77086
(281)453-0200
www.peaktraffic.com

Specifications

Input	Output	Functions	Environmental
Voltage Range, VAC	90 to 150 programmable Default 100 to 130 +/- 2VAC	2000VA (inverter mode) 2000VA (line mode)	Operating Temp°C -37 to +74°C (See Notes 1 & 2)
Frequency, Hz	60 +/- 3Hz	Brownout Protection	Storage Temp°C -50 to +75°C
Maximum Input Current, A	30 A (resistive)		Humidity <95% non-condensing
Inrush Current	Load Dependent	Active Power, W	Altitude, ft(m) 10,000 (3000) (See Note 2)
Over Current Protection	Double pole single throw circuit breaker rated 30 A for input and output, DC bus 60 A breaker	1500 (Inverter Mode) 1500 (Line mode) .075	
Transient Suppression	MOV Transient suppression elements (>150V)	Generator Compatability	
Step Load Response (50% Load Change)	1/2 Cycle Full Recovery (Full resistive load)	Battery Charger 10 A	
Short Circuit Protection	15 A Circuit Breaker	Inverter Mode	
Battery String Voltage, VDC	48 (Four 12VDC Batteries)	Inverter Mode Current Limit	
		Remote monitoring	
		Output Voltage, VAC Line and Buck/Boost Mode Inverter Mode	
		Frequency, Hz	
		Transformer	
		Output Waveform	
		Output Waveform THD	
		Load Crest Factor	
		Overload Capacity	

Mechanical

PB2000 Dimensions (WxDxH) inch/mm	W: 17.5 / 444 19 / 483 w/ flange D: 10.5 / 267 H: 5.25 / 133
PB2000 Weight (lb/kg)	46.2 / 21
PB2000 Mounting	19" (483mm) rack or shelf mount
PB2000 Input Connection	3 Position Terminal Block
PB2000 Output Connection to Loads	Two 3 Position Terminal Blocks
PB2000 Cooling	Microprocessor controlled, 12 VDC, 3.6" (92mm) fan
PB2000 Audible Noise Level, dBA	<40
MBS/PTS Dimensions (WxDxH) inch/mm for standard rack mount MBS/PTS Mounting	W: 17.5 / 444 19 / 483 w/ flange D: 8.5 / 216 H: 3.5 / 89
MBS/PTS Weight (lb/kg)	7.0/3.2
	Shelf or 19" rack mount
MBS/PTS Input Connection	Terminal block
MBS/PTS Output Connection to Loads	Terminal block
MBS/PTS Output connection to UPS	6 foot cable ready for hard wire to UPS terminal block
MBS/PTS cooling	Convection (approx. 7 W contactor coil dissipation)

Communications	Certification and Approvals	Control Terminal Block
RS-232 / USB / Ethernet ports	Monitors, controls with terminal emulation software	Electrical Safety
RS-232	DB-9, Female, Opto-Isolated, straight-thru cable	UL-1778, CSA-107.1, UL-1950
USB	B-Ty receptacle 10/100 Mbps	EMI FCC Class A
SNMP (optional)	Ethernet, auto-detected	Surge Tested to: IEC 1000-4-5, IEEE C62.41
Ethernet (optional)	Ethernet, auto-detected	Immunity
Display Panel	2-line LCD	
		Performance
		Transfer Time
		Controller
		PTS
		TOTAL
		Efficiency, Line Mode
		Efficiency, Inverter Mode
		Functions
		Contact Type
		Wiring



Peek Traffic Corporation
A Signal Group Company
5401 N Sam Houston Pkwy W
Houston, TX 77086
(281) 453-0200
www.peaktraffic.com

About Signal Group – covers a broad range of quality turnkey traffic control products and services. Signal Group products have helped to make motorists around the world safer and their travels more pleasant and efficient. This expertise, experience, and breadth of product lines has made Signal Group one of the most respected and recognized leaders in the traffic control marketplace. The information contained in this publication is presented for informational purposes only, and while every effort has been made to ensure its accuracy, the information is not to be construed as warranty or guarantee, express or implied, regarding the products or services described herein or their use or applicability. No license is granted by implication or otherwise to any of Signal Group's intellectual property. Signal Group reserves the right to alter or revise any of its products or published technical data related thereof at any time without notice. ©2012 Signal Group.