

EP1100



Product Description

The EP1100 Line Interactive UPS series of power supplies provides filtered and regulated AC output power of proper voltage to operate traffic signals, conflict monitors, camera equipment, lighting, and additional applications used in Departments of Transportation and Intelligent Traffic Systems (DOT/ITS). Built in intelligence provides continuous operation during brownout and voltage spike with Automatic Voltage Regulation. A heavy duty battery charger and robust inverter provide backup power and recharging when line voltage is present. Status monitoring capabilities are provided through LCD display, serial interface, and optional Ethernet network card for remote monitoring.

Specifications

General	
Parameter	Specification
Dimensions:	5.25H x 17.0W x 9.0D
Weight:	42 lbs.
Mounting:	Rack, Shelf
Temperature Range:	-34°C to +74°C
Humidity:	Up to 95%
Safety Standards:	UL1778:2014 Ed. 5, CSA 22.2#107.3:2014 Ed.3, NEMA TS-2-2016v03.07, RoHS Compliant

Input	
Parameter	Specification
AC Circuit Breaker:	20 Amps
DC Circuit Breaker:	50 Amps
Connection:	Hard wired to terminal blocks
Phase:	Single phase 3-wire
Voltage:	120V Nominal
Frequency	60Hz

Output	
Parameter	Specification
Connection:	Hard wired to Terminal Blocks
Phases:	Single phase 3-wire
Output Capacity:	1,100W
Voltage:	Rated voltage $\pm 2\%$
Current Capacity:	5.4A
Rated Frequency:	60Hz
Frequency Regulation:	$\pm 1\%$
Voltage Waveform:	Sine wave
Distortion Factor:	Linear load: 3% or less 100% rectifier load: 7% or less
Response Time:	4ms or less
Load Power Factor:	0.7

Battery System	
Parameter	Specification
Connection:	Anderson SB50
Voltage:	48VDC
Charger Capacity:	10A
Temperature:	-5.0mV/°C/Cell

Network Communication

Parameter	Specification
Network Connectivity:	Ethernet 10/100/1000 BASE -T
Protocols:	TCP/IP, HTTP, UDP, SMNP, SMTP, SNMP, NTCIP
Connection:	RJ45

Dry Contact Relays

Parameter	Specification
Switching:	60 watts, 62.5VA

*Specifications subject to change



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