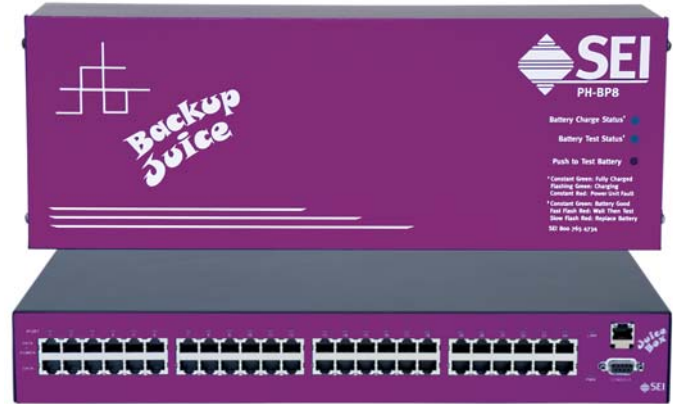


Juice Box MX

POWERover ETHERNET



SEI announces additional models to its 'Juice Box' line of midspan PoE products; the 'MX' Power unit and 'Backup Juice' (Integrated UPS option). The 802.3af compliant Juice Box MX simplifies installations and provides optional integrated battery backup. MX models come in 6, 12 or 24-port versions and can be configured with Web/SNMP interfaces.

With the extension of the Ethernet network to include VoIP phones and Wireless Access Points, the additional power requirements placed on your AC UPS system can reduce battery backup time significantly. This reduction means that the UPS systems no longer provide the backup time that the software platform requires to accomplish a graceful shutdown.

The low cost solution to counteract this loss of system backup is to provide battery backup specifically designed for the devices providing PoE. By integrating batteries with the PoE midspan injector, the 'Backup

Juice' Integrated UPS eliminates the additional power load on the existing AC UPS and the resulting decrease in battery backup time. By treating the PoE function of the network as a self-sustaining entity of the existing network, you eliminate the need to re-evaluate and resize your infrastructure UPS with each addition of power seeking terminals.

The 'Juice Box MX' is designed to work with the 'Backup Juice' Integrated UPS such that during a loss of utility power, the 'MX' provides instantaneous power from the backup battery. This ensures an uninterrupted, high quality power source for your PoE devices without degrading the LAN's shutdown period.

The 'Backup Juice' Integrated UPS incorporates SEI's smart-battery technology that includes an automated battery self-test and illuminates an LED on the front panel when battery replacement is needed. Battery replacement is user friendly.

Key Features & Benefits

- Backup Juice option provides integrated battery backup
- Increased power output per port
- Prevents PoE devices from stealing network UPS power
- Eliminates the need to resize network UPS systems
- Self-test circuitry in Backup Juice units with user replaceable batteries
- Allows ports to be prioritized for power in backup mode

Input Power

Output Power

LED Indicators

Physical

Electrical

LED Indicators

Environmental

User Interface

Juice Box MX Specifications

- 85 VAC to 142 VAC (240 VAC Factory Option)
- PH6-MX: 312 watts max
- PH12-MX: 312 watts max
- PH24-MX: 624 watts max

- Fully IEEE 802.3af compliant, 15 watts per port all models
- 44 to 55 VDC (Depending on AC or Battery Power)
- PH6-MX: 96 watts max
- PH12-MX: 191 watts max
- PH24-MX: 382 watts max

Input Power

- Green when the Juice Box MX is powered

Port Power

- Green – providing power
- Flashing Green – Valid signature detected but below specification power consumption.
- Yellow – Fault

Ethernet Link

- Green – Network connection established.
- Flashing Green – Network Activity

- Operating Temperature: +32°F to +104°F (0°C to +40°C)
- Storage Temperature: -4°F to +122°F (-20°C to +50°C)
- Relative Humidity: 0 to 95% non-condensing
- Thermal Rating: PH6-MX: 170 BTU/hr max
PH12-MX: 170BTU/hr max
PH24-MX: 340 BTU/hr max
- Dimensions: (W) 17.3in, (D) 15.9, (H) 2.5
(W) 440mm, (D) 404mm, (H) 64mm
- Weight: 11 lb, 5.0Kg

Backup Juice Specifications

- Nominal Output Voltage: 48 Vdc
- Maximum Output Current: 10A max.
- Recommended Charge Voltage: 54.0-55.2 Vdc
- Rated Capacity: 8 Amp-hours

Battery Charge Status:

- Constant Green – Fully Charged
- Flashing Green – Charging

Battery Test Status

- Constant Green – Battery Good
- Fast Flash Red – Wait, Then Test
- Slow Flash Red – Replace Battery

- Temperature: -20°C to +40°C
- Humidity: 95% non-condensing
- Optimum battery life will be achieved if the unit is operated at a temperature of 25° C.

- Manual Battery Test Switch – Push to Test
- NOTE: The Manual Battery Test switch is disabled when the battery is charging. Also, to prevent unnecessary battery discharge, the Manual Battery Test is disabled for 5 minutes following a Battery Test. In both cases, the Wait, Then Test indication is displayed.



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