PB-2500J POWER BACKUP MODULE

PB-2500J-PCIE
Power backup module 2500 Ws PCIe



- Ultracapacitor-based, 2500 Ws capacity
- Up to 10 years lifespan and 500,000 charging/ discharging cycles
- High/ low voltage protection
- Installed inside the embedded system

PRODUCT DESCRIPTION

Neousys' PB-2500J series is an innovative power backup solution for demanding industrial applications. Utilizing ultracapacitor technology, it features -25 to 65°C operating temperature range and extremely high durability. Compared to traditional battery-based UPS systems, PB-2500J series sustains superb reliability in extreme temperature environments and eliminates the drawback of battery performance degradation over time.

PB-2500J series is composed of eight 100F ultracapacitors to provide 2500 watt-second stored energy to sustain your computer during power outage and depending on your system's power consumption, it could be from seconds to minutes. But what makes PB-2500J novel is its patented CAP Sensing technology, an on-board processor that constantly monitors power consumption and evolves with the system. During a power outage, it maximizes the system operation time by estimating the perfect time to initiate system shutdown to prevent data loss.

PB-2500J series is available in two form-factors; PB-2500J-PCIe is a plug-and-play PCIe card specifically designed for Neousys Nuvo-6000 (except Nuvo-6108GC/ IGN) while PB-2500J-CSM is designed for Nuvo-5000 and Nuvo-7000 series.

When it comes to industrial embedded controllers, stability and data loss prevention during power outages are just as important. Neousys' PB-2500J series aims to do the latter by redefining reliability and taking it to another level. With PB-2500J series, unexpected power loss and unstable power lines are a thing in the past!

Product highlights:

- Ultracapacitor-based, -25 to 65°C wide temperature operation
- 2500 watt-second energy capacity
- Up to 10 years lifespan and 500,000 charging/ discharging cycles
- Patented CAP energy management technology
- Maximizes back-up time in an event of unforeseen power outage
- Monitors energy consumed and estimates the time required for system shutdown
- User-configurable operating parameters
- Auto/ manual shutdown control
- High/ low voltage protection
- UltraCAP energy/ lifespan configuration

SPECIFICATIONS

Height	111 mm
Temperature range bearing, from	-40 °C
Temperature range bearing, to	70 °C
Temperature range from	-25 °C
Temperature range to	65 °C

Width	167 mm