

Physio-Control Battery Support System 2 Charging Dock



The **Physio-Control Battery Support System 2** is an intelligent, highly automated system which recognizes and optimizes maintenance on both NiCd (Fastpak, Fastpak 2, and Lifepak NiCd) and Sealed Lead-Acid (Lifepak SLA) chemistry batteries. This system allows charging of SLA batteries alongside a NiCd battery. All three battery wells allow charging, conditioning, and shelf life testing. Enhanced NiCd pulse charging algorithm allows for optimal battery performance. Conditioning the NiCd battery provides a series of charge/deep discharge cycles to measure and optimize battery capacity.

Features

- User-friendly, providing clear indication when batteries are ready to use or need to be discarded.
- Enhanced NiCd pulse charging algorithm.
- Charges both NiCd batteries and SLA batteries.
- Innovative platform design.



Specifications

Dimensions

Height: 3.8" (9.7 cm)
Width: 12.4" (31.5 cm)
Depth: 14.8" (37.6 cm)
Weight: 18 lbs (8.2 kg)

General

Number of Battery Wells: 3; Charging discharging, conditioning and shelf life test capability in all battery wells.

Fuses: Two fuses in the power input module (5x30 mm F 1A 250 V, Low or high break capacity) per IEC 127-2, sheet 1 or 2, such as Bussman GDA or GDP, Littlefuse 216, or Schurter SP or SFS.

Environmental

Altitude, Operating: To 4,572 m (15,000 ft)

Altitude, Non-operating: To 5,500 m (18,045 ft)

Humidity: 5 to 95%

Temperature, Operating: 5° to 45°C (41° to 95°F) (commercial); 0° to 50°C (32° to 122°F) (U.S. Military)

Temperature, Storage: -40° to 70°C (-40° to 158°F) (commercial); -46° to 71°C (-51° to 160°F) (U.S. Military)

Vibration: IEC 68-2-6 (commercial); MIL-STD-810E, Method 514.4 Category 4, 6, 8 (U.S. Military)

Fastpak/Fastpak 2 Batteries

Type: Nickel Cadmium

Capacity: 1.2 amp hours

Charge Time: 1.5 hours

Conditioning Time: 7 hours typical

Battery Life: up to 5 years or 750 cycles

Lifepak NiCd Batteries

1.6, 1.7, or 2.4 Ah

Type: Nickel Cadmium

Capacity: 1.6, 1.7, or 2.4 amp hours

Charge Time: 2.25 hours (1.6 or 1.7 Ah); 3 hours (2.4 Ah)

Conditioning Time: 8 hours typical (1.6 or 1.6 Ah); 9 hours typical (2.4 Ah)

Battery Life: up to 5 years or 500 cycles (1.6 or 1.7 Ah)

Lifepak SLA Battery

Type: Sealed Lead Acid

Capacity: 2.5 amp hours

Charge Time: 6 hours

Conditioning Time: 28 hours typical

Battery Life: up to 3 years or 100 cycles

