

STAY ALIVE POWER SUPPLY (SAPS) V1

TAMCN: H00237G

I.D: 12257A

NSN: 6130-01-604-4652



Functional Description

The Stay Alive Power Supply (SAPS) V1 is a multi-battery maintainer that provides a storage maintenance solution for the Lithium-Ion operational rechargeable battery and non-rechargeable coin cell Hold Up Battery (HUB) for the AN/PRC-152 Radio. The SAPS V1 maintains the State of Charge (SOC) of the Lithium-Ion operational battery while attached to the Receiver/Transmitter (R/T) or seated independently of the R/T during extended periods of storage. When the R/T is stored without the rechargeable battery attached, the SAPS V1 will offset power drain of the internal non-rechargeable coin cell HUB extending the service life of the HUB preventing premature failures of the R/T. The SAPS V1 can maintain up to 24 R/Ts and/or batteries at once.

Technical Description

Information

Manufacturer: Graywacke Engineering
 Model: GEI-24-SAPS

Dimensions

Length (in): 31.5
 Width (in): 21.5
 Height (in): 13.5
 Weight (lbs): 41.0
 Square (ft²)/Cube (ft³): 4.7/5.3

Power

Input
 DC: 20-30 VDC
 AC: 90-264 VAC, 47-63Hz

Temperatures

Operating: -22°F to +158°F
 Storage: -40°F to +176°F, 10-95% RH

Transportability: Treat as cargo.

NOTE: The SAPS V1 is a maintenance storage device and will only charge batteries to approximately 50-60% SOC. The SAPS is not intended to replace any battery chargers currently used to charge AN/PRC-152 Lithium-Ion rechargeable batteries.