

8394 ~ by Edward J. O'Rourke

Kestrel - Falcon III Radio Power Adapter / Charger (AN/PRC-117G)

Abstract

- The new Iris Technology Radio Power Adapter for the Falcon III (AN/PRC-117G), the Kestrel, is scheduled to debut at JSPE. This adapter is built upon a heritage of successful devices servicing the SINCGARS and Falcon product lines. The Kestrel can be powered from both DC and AC sources, houses and charges full size BB-2590/U batteries, and is interoperable with StarPower. Planned availability for this adapter and selected radio accessories is 2Q09.

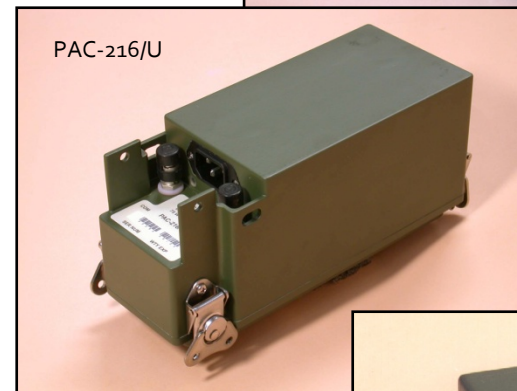
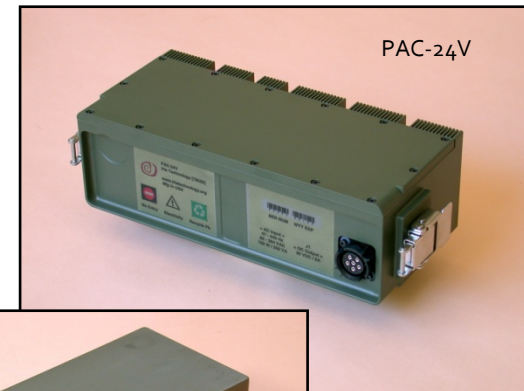
Overview



- The *Kestrel* adds to the family of alternative power adapters from **Iris Technology**, leveraging the high performance of **PAC-216**, **PAC-24V** and **VB-90**.
 - Power from AC or DC sources
 - UPS & Power conditioning
 - Internal full capacity battery
 - Built-in battery charger
 - 26V Amplified speaker output
 - Vehicle mounts and Accessories

Kestrel Heritage

- AN/PRC-117F
 - PAC-24V
- AN/PRC-119D
 - PAC-216/U
- AN/PRC-119F
 - VB-90



Military
Adapters

Kestrel AC/DC Adapter

- (radio not included)



Side View



Specifications



- Electrical
 - AC Input 95-265 VAC; 47-440Hz
 - DC Input 9-36 VDC
 - DC Output 24VDC @ 4.5amps
- Environmental
 - Operating Temp -30° C to 70°C
 - Storage Temp -50° C to 70°C
 - Operating Alt 27,000 ft.
 - Storage Alt 55,000 ft.
 - Humidity 95% relative
- Physical
 - Size 3.2"H x 7.2W" x 7"D
 - Weight 2.7lbs / 6.6lbs w/battery
- Battery Types
 - Rechargeable Lilon BB-2590 / UBI-2590

Vehicle Mount



StarPower Interoperable

- Operate from Solar / Vehicle / AC Sources



Feature / Benefit

Feature	Benefit
Separate AC and DC Power Supplies and Cables	Buy only what you need; Carry only what you need
Uses full-size 2590 series battery	Common logistics item; Three times the runtime from high reserve energy battery (6.2 A-Hr v 2.0 A-Hr)
Operates with BB-2590 and UBI-2590	This is a growth option as the unit can operate from and recharge both types
Compatible with installed base of RMT-2 Mounts	Buy only the adapter plate
International AC Power Supply	Operate successfully anywhere in the world including aircraft operation
Independent charging of both battery cells	Positive recharge of each battery cell

Accessories

- Powered Speaker
 - In development
- Vehicle Mounts
 - New, Dedicated Mount
 - MRC RMT-2 Adapter
- 2590 Series Batteries
- StarPower Cable

Administrative

- Pricing and Availability 2Q09
- Kestrel being added to GSA Contract
 - Iris Technology Corporation / GS-07F-0131N

Questions

- Equipment on display in Booth 314