

TACTICAL POWER SOLUTIONS

# MERLIN-HANDHELD RADIO POWER ADAPTER

- Uninterruptible DC Power slice for handheld radios
- Efficient charging and aux out capabilities
- Auto configuration to inputs / outputs, no controls required



## EXPORT POWER TO RUN AUXILIARY EQUIPMENT WHILE POWERING THE RADIO AND CHARGING THE BATTERY

The Merlin-Handheld RPA's primary functions are to power the attached radio and charge the attached battery, while exporting auxiliary power to run application-specific equipment such as end user devices and other peripheral gear.

The adapter can also operate in a battery eliminator configuration or as an Uninterrupted Power Source (UPS) for the radio. Boasting a hot-swap feature, users can complete battery change-out and maintenance without load interruption.

The Merlin-Handheld can receive input from a variety of DC and AC power sources. The unit configures automatically to inputs and outputs, requiring no controls or user manipulation.

LED indicators display the status of input power, state of charge, battery charging, and battery health. Maximum Peak Power Tracking algorithms efficiently convert power from solar panels to support the load and/or charge batteries for power storage.

Compared to other handheld device battery eliminators or power adapters, the Merlin-Handheld RPA offers more power handling capability and the unique ability to export power to peripheral devices.

Multiple variations are available to address numerous input and output needs.

### TECHNICAL SPECS

Weight	0.35 lbs (161 g)
Size	1.44" H x 2.70" W x 1.52" D
Input Connector	GK0WAM-P09UM00L (ODU) (A KEY)
Output Connector	GK0WBM-P09UM00L (ODU) (B KEY)
Input Voltage	10–40 VDC @ 10 ADC (max)
Input Power	110 W
Radio Voltage	12.6 VDC nominal @ 72 W max
Aux. Output Power	5 V (10 W max) or 12 V (15 W max)
Li Ion Batt. Charge Time	3 hours typical