

SPM-622

Squad Power Manager



The rugged, intelligent, universal solution for operating in austere environments.

The SPM-622 can draw power from any source (vehicle power outlet, solar blanket, batteries, or wall socket) in order to run various electronic devices at once. It can also recharge batteries at the same time.

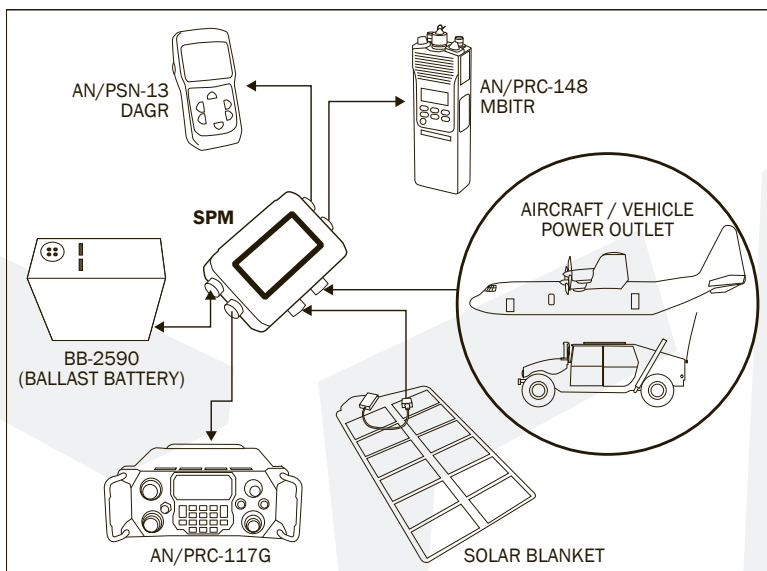
With the SPM-622, constant operability of mission-essential electronic devices is ensured. Radios, satellite phones, GPS units, tablets, laptops, medical equipment, EOD equipment, power tools, UAV batteries - all can be kept running and/or charged with the SPM. And because of its built-in intelligent power management system, no special programming or configuration is required - you just plug and play.

By reducing the quantity and variety of batteries needed, the user can carry less weight and operate more effectively in even the most austere operational environments.

The SPM-622, accessory cables, and specialist kits can be purchased on the Class IX NSN schedule, GSA Advantage, or from authorized Distributors and System Integrators.

Rugged, Easy-To-Use, and Field-Proven

- ▲ Currently in use with all US DoD branches, USSOCOM components, international SOF, and specialists such as JTAC, EOD, and Medical.
- ▲ Supports most currently deployed military radio systems, including; PRC-148, PRC-154, PRC-117F/G, PRC-152, MPU-4, Motorola, etc.
- ▲ Recharges most military and commercial rechargeable batteries, including Conformal Wearable Battery, power tool batteries, and the latest high performance radio batteries.



Technical Specifications

PHYSICAL

Size	1.2" H x 4.4" L x 3.2" W (3.1cm H x 11.2 cm L x 8.1 cm W)
Weight	1.0 lbs
Color	Desert Sand
Operating Temperature	-20 to 60 °C

INPUT/OUTPUT

Number of Connectors	Six Bidirectional
Port Voltage	3–34 VDC
Port Max Power	150 Watts (14V nom), 300 Watts (28V nom)
Port Max Current	10 Amps
Port Protection	Over-voltage, Over-current, Short-circuit, Reverse Polarity, Surge, EMI
Protection Reset	Automatic Self-reset
Data Interface	USB Port

BATTERY CHARGE

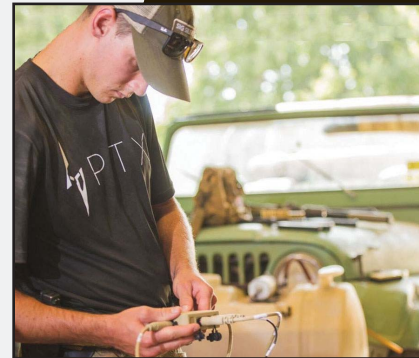
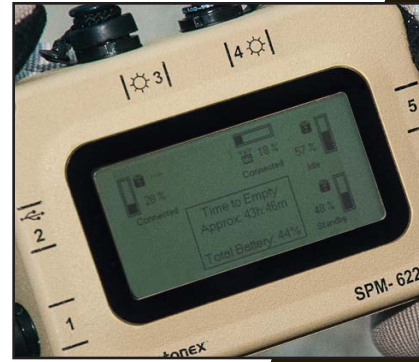
Sequential Charge	Up to Five Batteries
Military Battery Support	BB-2590, BB-2557, 28 V Vehicle, Conformal Wearable Battery, etc.
Commercial Battery Support	AA, AAA, RCR-123, 12 V Vehicle, and more
Smart Charging	SMBus 1.1 and SMBus 2.0 Support, All Ports

ENERGY HARVESTING

Harvester Ports	Up to Two
Harvest Range	4–34 VDC
Solar Algorithm	Maximum Power Point Tracking (MPPT)
Primary Battery Harvesting	Automatic
Fuel Cell Interface/Control	Automatic

USER INTERFACE

Port Charge/Status Indicator	Graphical display of all power levels & remaining mission time
Graphical Display	Backlit LCD Interface
Control Keypad	Up, Down, Enter and Escape buttons



SPM-622 features and functions

- ▲ Six universal power connections permit versatile operation—powering devices, managing energy sources, and charging up to five batteries—any or all of which can occur simultaneously.
- ▲ Full SMBus and USB connectivity for set-and-forget, accurate state of-charge indication, battery health monitoring and reporting, and mission profiling/configuration.
- ▲ Totally weatherproof and able to function fully submerged.



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