

PWL70 Handcrank Portable Generator

High-Efficiency, Compact, Handcrank Generator

The PWL70 power generator is the newest, high-efficiency portable two-crank power generator designed to recharge Ni-Cad, NiMH or Li-Ion type rechargeable batteries in the field. The PWL70 offers superior performance in a very light and compact package and protection against water at 1 meter depth.

This generator is based on the experience gained with our older PWL70 model. Designed to operate in a demanding environment where the lack of commercial AC power does not allow you to use conventional battery chargers, the PWL70 is your solution to provide quick, dependable, power to recharge your batteries independent of the time of day or availability of sunlight.

The PWL70 is extremely light weight and easier to carry than most units available in the market. This unit has built-in over-voltage and over-current protection and allows you to charge your batteries quietly and efficiently at any time of day or night. The unit can be used with several tactical type batteries that operate at 12 or 24 Volts DC (BB-590, BB-2590) with excellent results

Our PWL70 military Portable Generator meets the Military Standards MIL-STD-810G, MIL-PRF-32383, CEI-60529.

PWL70 Highlights

- Built in Voltage and Current Displays
- Easy to transport due to its lightweight (1.8 Kg)
- Foldable handles to minimize volume during transport
- Rugged military-type housing is water-proof and vibration-proof
- Overcurrent and Overvoltage protection
- Wide range of accessories
- Up to 60w of generating power!
- Standard accessories include folding handles, one DC cable with 2 connectors and a canvas bag.

Specifications:

MECHANICAL / ENVIRONMENTAL

- Usable Temperature Range -20°C to +60°C
- Relative Humidity 95%
- Dimensions (generator head only) 115 x 85 x 70mm
- Weight (generator head only) 1.8Kg
- Water Tightness Water-proof under 1M of water for up to 2 hrs

ELECTRICAL CHARACTERISTIC

- Output Voltage (12.5 VDC configuration): 14.0 VDC nominal @ 2.5A
- Output Voltage (24 VDC configuration)..... 28.0 VDC nominal @ 2.5A
- Maximum Power Output: 60w
- Cranking Speed: 55/65 revolutions per min.

ACCESSORIES AVAILABLE

- Folding Bench Support
- Bicycle-type Support
- Canvas Bag – A sturdy carry bag, includes a second DC cable in case you need to charge more than one type of battery.

APPLICATION

The PWL70 is perfect for the following applications:

- Armed forces field operations
- Special forces
- Civil defense (disaster teams)
- Exploration camps (remote areas)



PWL70 Handcrank Portable Generator

When you need power fast!

The PWL70 is a portable, light-weight handcrank generator designed to recharge Ni-Cad, NiMH, or Li-Ion type rechargeable batteries in the field. When you operate in a demanding environment, where the lack of commercial AC power does not allow you to use conventional battery chargers, the PWL70 is your solution to provide quick, dependable, power to re-charge your batteries independent of the time of day or availability of sunlight. With the PWL70 you can charge your batteries quietly and efficiently at any time of day or night. has supplied this generator for use with several tactical type batteries(BB-590, BB-2590) with excellent results. It can be used with any rechargeable battery that operates at 12 or 24 Volts DC.

- Easy to operate due to the use of two handles
- Foldable handles to minimize volume during transport
- Rugged military-type housing is water-proof and vibration-proof
- Overcurrent protection
- Wide range of accessories
- Up to 65W of generating power!

Standard accessories include folding handles, one DC cable with 2 connectors, a small pouch, and a tree support. There are several optional items available, like a folding bench support, a unique bicycle type support that allows easier charging by pedaling, a backpack type canvas bag, and a second DC cable (in case you need to charge more than one type of battery).

Specifications:

Mechanical Characteristics and Environment

Usable temperature range -45°C to +50°C

Dimensions

139x93x89mm

Weight.....360g (generator head only)

Water tightness ... The radio unit is water-proof under

Electrical Characteristic

Output Voltage (12.5 VDC configuration)..... 14.0 VDC

Nominal @ 2.5A

Output Voltage (24 VDC configuration)..... 28.0 VDC

Nominal @ 2.5A

Maximum Power Output.....65 W

Cranking Speed50/60 revolutions per minute

