

UNITED STATES MARINE CORPS

GUIDE TO TRAINING RESOURCES



PROGRAM MANAGER EXPEDITIONARY POWER SYSTEMS

**MARINE CORPS SYSTEMS COMMAND
2200 LESTER STREET (PMM-153)
QUANTICO, VA 22134-6050**

This brochure summarizes training aids, web based on-line training, computer based training and various student handouts that provide supplemental training for equipment managed by the Program Manager for Expeditionary Power Systems.

Additional details on all listed training material is available from your supporting EPS Field Service Representative or by request from pm_eps@nmci.mil

Battery Management and Advanced Power Sources



Computer Based CD

Battery Management

This training module is targeted for the operators and maintainers of communications equipment. This module provides details on rechargeable batteries, non-rechargeable batteries, and battery chargers. Additional data is provided on non-inventory items and commercial off-the-shelf (COTS) equipment. Available from your supporting EPS Field Service Representative or by request from pm_eps@nmci.usmc.mil

12V / 24V Radio Power Adapters

This training module is targeted for the operators and maintainers of communications equipment. This module provides details on 12 Volt power adapters, 24 Volt power adapters, and power supplies in the USMC inventory. Additional data is provided on non-inventory items and commercial off-the-shelf (COTS) equipment. Available from your supporting EPS Field Service Representative or by request from pm_eps@nmci.usmc.mil

Power Version 1.3

Power or otherwise referred to as the "Power Optimizer" is an excel based data tool that helps you calculate battery requirements based on battery swap times, radio type, ambient temperatures and more. Includes built in FY price tables and data is exportable. Request a copy from pm_eps@nmci.usmc.mil

Advanced Power Team Electronic Tool Box

The APT Electronic Tool Box contains over 500 MB of information pertaining to alternative power options below the 2 kW range. Equipment Characteristics manuals, battery charger software upgrades, technical manuals, safety information, archived messages, and more. Available from your supporting EPS Field Service Representative or by request from pm_eps@nmci.usmc.mil

A7700 "Christie" Battery Analyzer-Charger

This is a multimedia package that combines audio, graphics, video, and virtual simulation to explore the basics of operation of the CASP 2000 "Christie Battery Charger/Analyzer". It gives a basic theory of application that allows the individual to explore the equipment at their own pace. Available from your supporting EPS Field Service Representative or by request from pm_eps@nmci.usmc.mil

Handouts and Brochures

APSCE Training Brochure

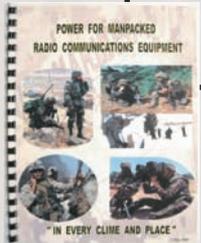
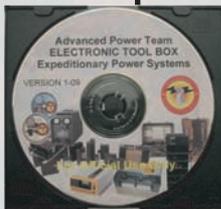
This brochure reviews training aides developed to provide information on alternative equipment used to energize battery operated weapon systems. This brochure was primarily designed as a promotional handout for conferences and meetings. Available in Bi-Fold format (as pictured) from your supporting EPS Field Service Representative or by request from pm_eps@nmci.usmc.mil

Power For Manpacked Radio Communications Equipment

The purpose of this training course is to familiarize Marines with the alternative power devices used to energize battery operated weapon systems. On-site training is available upon request from pm_eps@nmci.usmc.mil. Available in booklet form (as pictured) from your supporting EPS Field Service Representative or by request from pm_eps@nmci.usmc.mil

Battery Maintenance Management Program (BMMP) Training For Vehicle Lead Acid Batteries

This course is designed to instruct Marines on preventive and corrective maintenance procedures for maintaining Vehicle Lead Acid batteries (6T, Optima, HAWKER). On-site training is available upon request and funded for annually. For additional information contact pm_eps@nmci.usmc.mil





Battery Management and Advanced Power Sources

Web Training

SPC and VMC Battery Charger Tutorial



This tutorial provides instruction on the operation of the Soldier Portable Charger (SPC), Vehicle Mounted Charger (VMC), and is available on the U.S. Army Rechargeable Battery Web Site. No pass codes are required.
www.monmouth.army.mil/cecom/lrc/lrchq/power/rechargebat.html

Power Management: Communication Equipment Operators (Course 0612AO)



This course is designed to introduce Marines to various alternative power options available to energize communications equipment. The target audience is MOS 0612, 0613, 0619, 0621, 0629, 0699, 2844; however, this training will benefit any Marine who operates battery operated weapon systems.
www.marinetnet.usmc.mil (course code 0612AO)

Power Management: Communication Electronic Officers and SNCOs (Course 0613AO)



This course is designed to aid supervisory personnel in developing Power Management plans tailored to meet their unit's operational profile. The target audience is MOS 0602, 0629, 0691, 0692; however, this training will benefit any Marine who manages any type of battery operated weapon systems.
www.marinetnet.usmc.mil (course code 0613AO)

Battery 1 - Tactical Vehicle Battery Maintenance Management For Vehicle Drivers (M00BMD0699)



This course was designed to instruct vehicle drivers on proper preventive maintenance procedures for Flooded Cell and AGM vehicle lead acid batteries. The target audience is MOS 3531; however, this training will benefit any Marine who operates tactical vehicles.
www.marinetnet.usmc.mil (course code 0699)

Battery 2 - Tactical Vehicle Battery Maintenance Management For Battery Shop NCOs (M00BMD0635)



This course was designed to teach vehicle lead acid battery corrective maintenance and diagnostic procedures to Marines assigned duties as Battery Shop NCOs. The target audience is MOS 3521 and 3522.
www.marinetnet.usmc.mil (course code 0635)

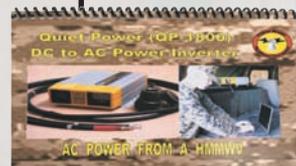
Battery 3 - Tactical Vehicle Battery Maintenance Management For Motor Transport Officers and SNCOs (M00BMD0635)



This course was designed to provide supervisory personnel with vehicle lead acid battery maintenance budgeting and planning guidance. The target audience is MOS 3510, 3529, and 3537.
www.marinetnet.usmc.mil (course code 0635)

Training Aids

Training Aid For The Quiet Power QP-1800 DC to AC Inverter



This Training Aid provides basic operating instructions for the Quiet Power (QP-1800) DC-to-AC Power Inverter.
 Available in booklet form (as pictured) from your supporting EPS Field Service Representative or by request from pm_eps@nmci.usmc.mil

Training Aid For Manpacked Radio Communications Equipment

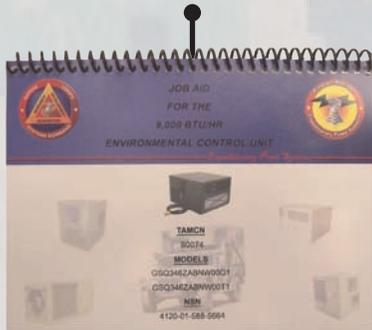


This Training Aid reviews battery options and other alternative power devices (power supplies, inverters, radio power adapters) used to support battery operated weapon systems.
 Available in booklet form (as pictured) from your supporting EPS Field Service Representative or by request from pm_eps@nmci.usmc.mil



Additional Training Information

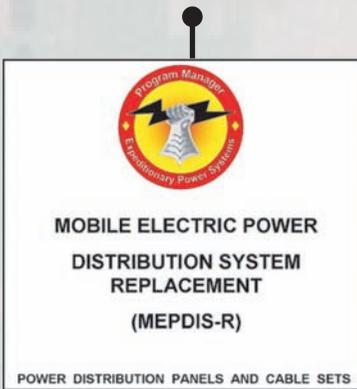
Environmental Control Equipment



Training Aid for the 9,000 BTU/H Environmental Control Unit

This Training Aid provides basic operating and troubleshooting instructions for the 9,000 BTU/Hr ECU TAMCN B0074. Available in booklet form (as pictured) from your supporting EPS Field Service Representative or by request from pm_eps@nmci.usmc.mil

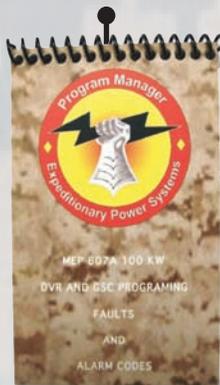
Lighting and Power Distribution



Mobile Electric Power Distribution System Replacement (MEPDIS-R)

This Training Hand Out identifies each cable set associated with the MEPDIS-R system and provides a breakdown of each MEPDIS-R Power Distribution Panel, cables sets, and quantities fielded with that panel. Available by request from pm_eps@nmci.usmc.mil or download from the PM EPS web site.

Mobile Electric Power



MEP 807A 100 kW DVR and GSC Programming Faults and Alarm Codes

This 5 1/2 X 3 1/2 inch Training Aid is used to verify the DVR parameter settings for the MEP-807A Generator. Available in booklet form (as pictured) from your supporting EPS Field Service Representative or by request from pm_eps@nmci.usmc.mil

VISIT THE PM EPS WEB SITE

www.marcorsyscom.usmc.mil/sites/pmeps
or send inquires to pm_eps@nmci.usmc.mil

