

Great News for the high speed technicians out there. **The 490PT+ Digital Analyzer and the MBT-1 Mini Ohm Battery Tester are once again CLIX!** We know this took quite a while to get updated, and were just notified that the catalog data for both had been changed. For a complete listing of all PulseTech CLIX equipment with NSNs please contact your supporting FSR.

The PulseTech 490PT+ digital battery tester is a low cost, USMC and PM SKOT approved, tester which is standard on all newer ARMY SATs and the USMC Lead Acid Battery Management program. The systems patented testing algorithms quickly and accurately differentiate battery configurations of AGM (flat and spiral plates), flooded cell, and gel cell batteries.

- Performs a fast and precise analysis of any type 12-Volt battery.
- Clamps have quick disconnect (newer testers only)
- Displays battery voltage, cold cranking amps, condition of the battery, and state of charge.
- Reverse Polarity Protection
- Tests discharged batteries down to 1.5-Volts
- Adjustable brightness LCD display
- Built in thermal printer
- Additional NSNs for the tester paper and more:

Replacement Thermal Paper: Part# 741x024, [NSN 7530-01-357-6852](#)

Case Storage: Part# 741X030, [NSN 6625-01-617-9011](#)

Cover Printer (clear plastic): Part# 741X031, [NSN 7045-01-617-8663](#)

Case Protective, Flexible Rubber: Part# 741X032, [NSN 6625-01-617-7927](#)



Tester NSN: 6130-01-510-9594

The MBT-1 mini-battery tester is designed to be a simple, fast and effective diagnostic tool to check for good and bad batteries. It makes checking 12-Volt lead-acid batteries quick and

easy. This weather resistant, mini battery load tester is small enough to slip in your pocket. It's simple to use with a fixed post positive connector and a coil-corded moveable negative connector.

- Tests any 12V battery (Flooded, AGM, VRLA or Gel)
- Small compact size with No internal battery
- Has easy to read LEDs that indicate a batteries condition
- Reverse polarity and over voltage protected.



MBT-1 NSN: 6130-01-463-8499

Website: WWW.PULSETECH.NET

Online PulseTech Military catalog: <http://read.dmtmag.com/i/493915-2015-military-catalog>

As previously mentioned in past newsletters; the USMC has sponsored our 3 main charging systems, the ProHD, Pallet, and Bench Top for replacement part NSNs. The ProHD (standard on all Army SATS) is the first system to receive multiple NSNs (13 in all so far) for replacement parts. We have put together a ProHD replacement parts listing which our FSRs can send to anyone that would like a copy.



We all know that solar applications have come a long way over the last several years. The same can be said for our revamped solar battery charging and maintenance systems. When properly utilized these systems can make a huge difference in battery consumption rates.

The newer solar charge / maintenance systems today are very effective when adequate sunlight is available. They come standard with a 6.3 Watt output panel, utilize our patented High Frequency Pulsation, are extremely rugged, easy to install, and can save batteries. The 2 systems to the right, 24V PSC (01-487-0035) and the 24V SPCMS (01-558-5371) are the most widely used solar applications for the USMC and US Army.



24 V Pulse Solar Charger
NSN 6130-01-487-0035

The 24V PSC is hard wired on the platform (comes with mounting kit) while the SPCMS plugs into the slave receptacle (Velcro straps hold in place). So what do you need to do to ensure you get the most effective use out of your solar system?

- Vehicle battery Voltage should be at or above 24V. If batteries are below this threshold batteries should be charged prior to relying on solar application.
- Mount panel to ensure maximum sunlight.
- Ensure all loads (switches, radios, etc.) are turned off.



24V Solar Pulse Charge Monitor System
NSN 613-01-558-5371

Did you know that the USMC has MIs (MWOs for Army folks) for utilizing the 24V PSC on most power generation systems? This includes almost every system from 3KW to 100KW and even light sets.

Reminder: On-site BMMP training and technical assistance visits are available to ALL Military organizations. If you have any questions about gear, SOP info, or would like to discuss training / assistance please contact one of our FSRs below.

FSR - Eastern US and International
USMC – II MEF
Roy Johnson
Email: rjohnson1@twcny.rr.com

FSR - Western US and USAPAC
USMC – I MEF and III MEF
Tom Pigorsh
Email: tom.pigorsh@comcast.net

FYI: The latest Battery Maintenance Management Program (BMMP) training slides, previous Newsletters, and other pertinent information is available on our website: <http://www.pulsetech.net/Content/Applications/Military-LP.aspx>

Website: WWW.PULSETECH.NET

Online PulseTech Military catalog: <http://read.dmtmag.com/i/493915-2015-military-catalog>