

Happy Fall! We get a decent number of questions on what the best BMMP equipment would be for a Maintenance Team in garrison or deployed.

There is not a simple answer with so many variables that can influence this, such as fleet density / equipment type, location of the Maintenance Team vs base ops, etc. However, there are some minimum 'must have' items needed for any Maintenance Team:

- **Even the smallest Maintenance Team would need 2 testers and 2 Chargers minimum!**
 - Larger Teams / Shops would need more. An adequate number of diagnostic & charging systems on hand is reached when technicians are not spending valuable manhours searching for BMMP equipment.
- **Systems used should be able to diagnose and charge equipment without battery removal or even battery cable removal as the first course of action.**
- **Systems must also be mobile, easy to use, and transportable with assigned equipment.**

Diagnostics - Good

390PT Diagnostic Tester

NSN 6130-01-580-3882

Tests 6 and 12V batteries, **CLIX**
Costs less than 1 Hawker battery!
Cost: NSN = \$359, Direct Purchase = \$227



Diagnostics - Better

490PT+ Diagnostic Tester

NSN 6130-01-510-9594

Tests 12V batteries, standard tester on the SATS. Has a printer and a case.
Cost: NSN = \$618, Direct Purchase = \$340



Diagnostics - Best

890PT Diagnostic Tester

NSN Pending, Part# 741X890

Tests any 6, 12, and 24V battery / system and Li-ion. Has a printer.
Cost: Direct Purchase = \$595



Charger - Good

12V World Charger - **CLIX**

NSN 6130-01-477-4703

12V, 20A, hard case, Single Station charger. Good system for contact trucks, wreckers, or small Maintenance Teams.



Charger - Better

HD Pallet Charger - **CLIX**

NSN 6130-01-532-7711

12V, 6.5A, Twelve station charger. 24 / 7 / 365 Charger. All channels operate independently.



Charger - Best

ProHD Charger

NSN 6130-01-580-3882

12V or 24V, 50A+ charger. Has alligator clamps and NATO plug charging adapters.



We previously covered the solar requirements in DA Pam 750-1, Chapter 9-13 but are you aware that [storing equipment indoors also has a new BMMP requirement](#) for battery maintenance. **DA PAM 750-1 update states:**

- **At a minimum, all automotive batteries in long term storage or limited use programs will be fully recharged every six months and tested to verify full state of charge.**
- **The exception are batteries maintained on approved maintainer/conditioning equipment.**

Good part is we have some options to consider which meet the DA Pam exception!

Pulse Charge Systems (PCS): These systems are easy to use / install and designed to maintain lead-acid batteries on a long-term basis. Microprocessor controlled, colored LEDs indicate charge status / battery conditioning and will never overcharge. These systems prevent loss of charge & sulfation build up on battery plates. Each PCS Maintainer has the capacity to maintain up to six batteries. The systems also draw less than 1 Amp and multiple systems can be run off a single AC plug.



Pulse Charge System NSNs:
12V NSN 6130-01-521-1765, [CLIX](#)
24V NSN 6130-01-521-1329, [CLIX](#)

PulseTech Grid and Reel systems: The 2 systems are designed to be used together and can maintain 24V lead-acid batteries / systems on an indefinite long-term basis. These systems are in use here in CONUS with many ARNG locations and around the globe at Army APS sites, USMC Warehouses, Navy Seabee equipment storage, and others.

Grid System: **NSN 6130-01-497-0966, [CLIX](#)**

This is an installation kit which includes most items needed to fit standard warehouses, climate humidity protection or long-term storage facilities. Each grid system can support up to 30 of the 24V Drop Pulse Reels.



24V Drop Pulse Reel: **NSN 6130-01-497-0971, [CLIX](#)**

These are microprocessor controlled independent chargers that connect to the grid.

- Colored LEDs indicate battery charge status and systems will never overcharge.
- Each reel has a 38' retractable reel, and comes with 3 quick-disconnect charging connection options, NATO, Lug, or clips.



NG customers, there is a limited NGB funding stream which can be used to cover the initial purchase costs of grids and reels for CHPs! Your FSR can provide additional info for this.

Contact your supporting FSR for additional information or with any questions.

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Your Battery Maintenance Solution Source!

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