

SOLAR CHARGING



24V Solar Pulse Charge Monitor System with NATO (SPCMS)

NSN: 6130 01 558 5371/ Part No. 735x687

The NATO SPCMS was specifically designed to be a temporarily mounted pulse solar charger to maintain battery systems on any Left Behind Equipment (LBE) or vehicles stored for the long-term that are left outside. The solar charger provides up to 200mA of pulsed current in direct sun and is mounted on an angled box to maximize the efficiency of the solar panel. The three LED indicators provide information on the condition of the batteries when they are being pulsed and when they are fully charged. The charger operates between 22-32 volts and in direct sun will operate for approximately nine hours per day.



The three LED indicators provide information on the condition of the batteries, when they are being pulsed and when they are fully charged.



Pulse Charge Monitor System (PCMS)

NSN: 6130 01 497 0964/ Part No. 735x643

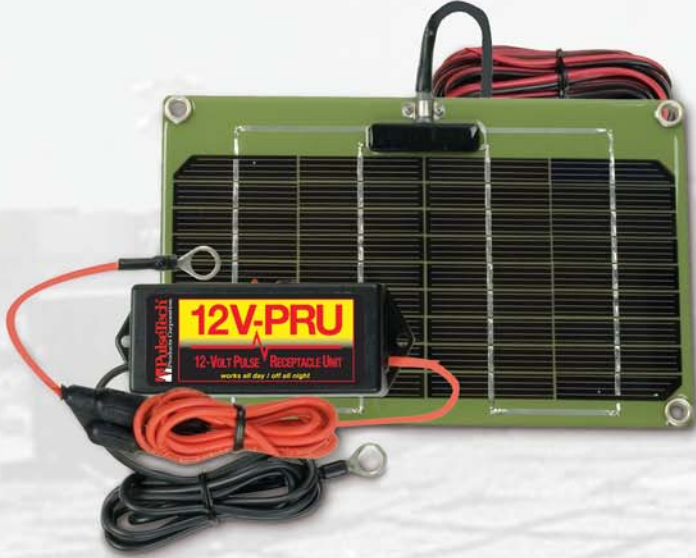
The 24V PCMS is the next step up from 24V Pulse Solar Charger (PSC) as it also provides 200mA of charge current from the 9" x 11" solar panel and includes the benefits of pulsing from the Pulse Receptacle Unit mounted in the battery box. The addition of the push-to-test (PTT), 24V gas gauge allows the operator to instantly identify the state-of-charge of the vehicle batteries. When the vehicle is turned off, the PTT will give readings from 100%--all four LEDs lit, to 20%--one LED lit; so the operator can determine the condition of the battery pack and if it is necessary to start the vehicle to recharge the batteries.



Pulse Charge Monitor Distribution System (PCMDS)

NSN: 6130 01 510 9587/ Part No. 735x650

The 24V PCMDS comes with a distribution box to provide a standardized wiring harness for four 12V and eight 24V add-on electrical loads. By using the simple to connect watertight "bullet" connectors, it eliminates direct-to-battery connections to prevent shorts and stops the possibility of battery box fires, which is well documented. The PCMDS also comes with the 200mA solar charger, push-to-test battery gas gauge and the pulse circuit, which is mounted in the distribution box below the fuse block.



12V Pulse Solar Charger (PSC)

NSN: 6130 01 546 8432/ Part No. 735x740

The 12V PSC supplies 100mA of pulsed current to any type of 12V lead acid battery and will work well on 12V batteries in parallel. The 12V Pulse Receptacle Unit (PRU) is designed to be mounted in or near the battery box.



24V Pulse Solar Charger (PSC)

NSN: 6130 01 487 0035/ Part No. 735x640

The 24V PSC provides a maximum of 200mA of pulsed charge current for any type of lead acid battery or configuration of 24V battery system. The charger comes with 25' of wire from the solar panel to the Pulse Receptacle Unit (PRU). The PRU can be mounted in or near the battery box so the lugs can be easily attached to the batteries. The solar panel is designed to be secured on any flat area on the outside of the vehicle for maximum impact on the batteries.



12V Pulse Charge System (PCS) with Panel

NSN: 6130 01 521 1317/ Part No. 735x655

The 12V PCS with solar charger is a dual use product that can be used on any 12V battery system for vehicles that at times will be stored outdoors and indoors. The solar panel will supply 100mA of pulsed solar charging while the AC charger when used will provide 750mA during use until the battery is fully charged, which will then cause the PCS to go into a pulse only mode until more charging current is needed.



24V Pulse Charge System (PCS) with Panel

NSN: 6130 01 521 1387/ Part No. 735x661

The 24V PCS with solar charger is a dual use product that can be used on vehicles stored outside as the 200mA pulsing solar charger will, under normal conditions, offset the parasitic drain of the batteries. If the vehicle goes indoors for storage, the 500mA AC charge can be used for extended periods of time; and when the batteries are charged, the unit goes into a pulse only mode until more charging current is needed.