

MIL POWER LTD

Delivering Battery Performance

MIL/MC1-4-01 Balancing Charger for MIL/LP4 Lithium Polymer & MIL/LI4 Lithium Ion Batteries for Geospace GSR/GSX Seismic Recorders

- Balancing charger for 14.8 Volt MIL/LP4-10-1, MIL/LP4-10-1M & MIL/LP4-20-1M Lithium polymer and MIL/LI4-10-1M & MIL/LI4-20-1M Lithium Ion batteries.
- Restores cell balance and capacity on unbalanced batteries.
- Charger operates from 24V dc supply.
- For example 10 units can operate from a single central 24V dc power supply.
- Fast 2.5A charge rate.
- Charges 10Ah batteries in 7 hours.
- Charges 20Ah batteries in 15 hours.
- Robust high impact plastic enclosure.
- Protection against short circuit and reversed battery.
- Integral dust cover to protect connector when not in use.

Charger functions include:

Pre charge test – to check the battery is fit to charge, constant current charge and constant voltage charge.

On connecting the battery to the charger the appropriate charge is applied automatically. Constant current or constant voltage is applied as required by the state of charge of the battery.

In the event of a battery fault charging will stop and the charge lamp will illuminate red to indicate the fault.



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Function	Value
Constant current charge current	2.5A
Constant voltage charge voltage	16.8V
Charge Connection	4 pin integral connector
Output power	42 Watts
Charger power input	20V to 30V dc via 2.1mm dc power jack
Dimensions excluding mounting flange	115mm x 75 x 77mm, 4.53" x 2.95" x 2.05"
Weight	340gms, 0.75lbs
Case	Yellow high impact ABS
Charging temperature	0°C to +40°C
Storage temperature	-40°C to +70°C
Lamps	
Off	No battery
Red flashing	Charging low voltage battery, recovery charge
Red	Battery fault
Amber	Battery charging
Green flashing	Charge complete

