

MIL/MC1100 Military Vehicle Battery Charger



- 1 Way Fast Charger.
- 11V to 30V DC Power Input.
- Fast charges a 4Ah battery in less than 3 hours.
- Armoured vehicle mounting.
- Programmable for various batteries.

MIL Power manufactures and supplies quality products to local, regional and global defence organisations. Our products meet the high stress demands of the military and are both durable and easy to use in the field, both of which are vital components of military equipment.

The MIL/MC1100 series chargers fast charge most types of batteries. The rugged low profile construction and dual 12V and 24V DC input supply enable the MIL/MC1100 series to be used in most military vehicles.

The charger is microprocessor controlled and can determine from the battery lead the charge requirement, which is selected from an internal menu of 20 charge programmes.

The charger provides a pre-charge test to ensure battery is capable of being fast charged. This is followed by fast charge which is terminated by voltage profile, temperature delta (for Clansman battery with integral temperature sensors) or timed backup. After completion of fast charge the unit commences a balance charge which keeps the battery in peak condition.

The charger is factory customised for each application. The programme selection can be upgraded in the workshop to accommodate new battery types.

All the MIL/MC1100 operations are controlled by the coded output lead. No action or knowledge is required by the user to correctly operate the charger.

For each battery there is a coded output lead with the appropriate connector for the battery under charge. This lead sets up the microprocessor to give the correct charge sequence for the battery type. Depending on the battery and operational requirements the charge sequence includes a pre-test to determine that the battery is in a fit state to charge, fast charge (1 to 3 hours), quick charge (3 to 14 hours), standard charge (14 hours), and maintenance charge to keep the battery in peak condition until removed from the charger.

	Function	Value
Output	Nominal battery voltage	6V to 24V
	Fast charge current	100mA to 2000mA
	Charge time	Under 3 hours for 4Ah battery
	Charge termination	Voltage profile, temperature delta or timed
	Programs	20
	Number of channels	1
	Output connectors	6 pin MIL-C-26482 series
	Output power	70 Watts
	Input	DC supply voltage
Power connector		2 pin MIL-C-26482 series
Physical	Size L * W * H	200mm * 120mm * 60mm
	Environment	Sealed to IP68
	Charging temperature	0°C to +55°C
	Storage temperature	-20°C to +70°C
	Vibration	810D 514.3 Proc. 1
	Humidity	To 100%
Indicators	Power on	LED
	Charging	Green Led on
	Charged	Green LED flashing
	Faulty battery	Red LED flashing
Switches	Power	On/off
	Lamps	On/off

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