



PART NUMBER : AMT12-12

DESCRIPTION : TRICKLE CHARGER

The **AMT12-2** has many names Trickle Charger, Battery Maintainer, Battery Saver, Reverse Charger, Top Up Charger, Battery Equaliser, but its purpose is to keep a Source / Vehicle Battery charged & protected from damage during prolonged periods of Vehicle, Boat & Motorhome inactivity or storage. The charger feeds a low current into the Source Battery to compensate for self discharge, alarm & tracker loads while ensuring the charge of the Auxiliary / Leisure Battery is maintained. In the ideal scenario a Solar Charger or Mains Charger is attached to an Auxiliary / Leisure Battery to protect it from damage during the period of inactivity & the Trickle Charger draws a small current off to maintain the Vehicle / Source Battery.

The Trickle Charger also feeds charge from the Auxiliary Battery to the Vehicle Battery until they reach 11.5V & 11.7V respectively ensuring that both Batteries are kept as healthy as possible even if no Solar Charger or Main Charger is present.

The unit has 4 User selected programmes & so is suitable for use with any Auxiliary Battery Charging System including a simple Voltage Sensing Relay & a Battery to Battery Charger.

It does not matter the Make or Type of Charger the **AMT12-2** will Charge the Vehicle Battery from the Leisure Battery & the clever software means it is compatible with conventional Alternator Vehicles, the latest Stop / Start & Euro 5/6 & Regenerative Braking Technologies.

The unit has a low current draw of less than 2mA on a 12V system & so presents a very small discharge load to the Vehicle & Leisure Battery. At 1Ahr drain every 20 days the unit has negligible effect on the Battery Capacity & should will easily cover a winter storage period.

When a charging source either a Mains Charger or a Solar Charger is connected to the Auxiliary / Leisure Battery the **AMT12-2** Trickle Charger allows a maximum of 4A (Usually considerably less) to flow from the Leisure Battery to the Vehicle Battery thus ensuring the Leisure Battery is Charged first & the Vehicle Battery second.

The **AMT12-2** works with all types of Lead Acid Batteries & Lithium Batteries, The Status Led gives feedback on the Trickle Charger Operation & State of Charge of the Vehicle Battery & Auxiliary Battery Conditions.

There is Ignition Override & Switch Enable to allow the user to externally control the charging if for some reason they wish to override the automatic settings.

The **AMT12-2** Trickle Charger works on 12V & 24V Battery Systems, Automatically detecting whether it is connected to a 24V or 12V system.

The compact potted plastic enclosure mean it easily fitted next to the Auxiliary Battery Charger & the 3 x Faston connections, The Inbuilt Fuse Protection means the Installation is extremely quick & easy.

This product has been Developed by Ablemail as part of a Range & if this product does not meet your requirement, Please contact our Technical Department to see if we can meet your exact needs.

The Trickle Charger / Battery Maintainer programmed modes are :

	Charger Type	Leisure Battery Threshold	Vehicle Battery Threshold	Battery Type
Setting 1 / 5	Standard Alternator / Ignition	Leisure Battery >13.0V	Vehicle Battery >12.8V	All types of Lead Battery
Setting 2 / 6	Standard Alternator / Ignition	Leisure Battery >13.5V	Vehicle Battery >12.8V	Lithium Battery
Setting 3 / 7	Smart Alternator	Leisure Battery >13.5V	Vehicle Battery >12.4V	Lithium Battery
Setting 4 / 8	Smart Alternator	Leisure Battery >13.0V	Vehicle Battery >12.4V	All types of Lead Battery

