



CC-1223-FST User Guide

Thank you for choosing to buy this product. We design and build our products here in Australia and stand behind every unit we make. The CC-1223-FST has 2 years warranty which is double the statutory period of 1 year.

The CC-1223-FST is designed to be used as both a standard three stage charger and as a battery maintenance unit for batteries that are not in daily use.

For use as a standard charger the “storage/timer” switch should be in the up position (timer LED off). In this mode when power is applied the unit will start up in boost mode and senses if the battery needs a boost charge. It will stay in boost while the battery requires it (but will also time out if in boost mode too long) and then switch to float or maintenance mode. If left on in maintenance mode the charger will switch to boost for a short period every 24 hours (approximate) to help prevent the stratification of battery electrolyte.

If a vehicle is to be left unused for long periods (2 weeks or more) the charger should be switched to storage mode. In this mode the “storage/timer” switch should be in the down position and the timer LED will flash. In this mode the battery will only receive a short 25 to 30 minute boost charge every 24 hours (approximate) which will maintain the battery and assist in preventing electrolyte stratification. This does assume that all 12V loads in the vehicle are off with the exception of alarm systems that are normally very small current draw. The storage mode will lengthen the life of most vehicle batteries that are infrequently used.

Electrolyte stratification is where, in a standing battery, the sulphuric acid content separates from the solution and falls to the bottom of the cells. This not only causes corrosion within the cells but will cause the battery to heat up on re-charge. Note that trickle charging will not prevent stratification hence the timed boost charge feature of this CC-1223-FST charger that stirs the electrolyte a little each time.

Note that the battery connections should be made before mains power is switched on and the mains switched off before disconnecting the battery. When in “storage/timer” mode the first boost period will occur approximately 12 hours after initial switch on and approximately every 24 hours afterwards assuming power is constantly switched on. The timed periods are not precision and are not required to be, also the timer is designed to slip a little with ambient temperature to compensate for warmer environments. A battery temperature probe is an optional extra for the CC-1223-FST and is available at extra cost. This is designed to switch all charging off if the battery temperature exceeds a predetermined level, normally 48 to 50 degrees Celsius. Charging will resume when the battery has cooled.

Please call us on (08) 9455 2245 for all enquiries or more information.