

## Wialki Electronics BCS-1604 User Guide

### **Introduction:**

The BCS-1604 is designed to charge 16 Volt (8 cell) lead acid batteries including AGM and Gel styles and provides up to 4 Amps charging current. It is provided with short circuit and reverse polarity connection protection when used as advised.

### **Usage:**

Observing correct polarity connect the battery before switching the power on and switch the power off before disconnecting the battery. The LED will be red for charging over two Amps charge rate (boost mode) and green below this (float mode) and indicates completed charge, it may flash between the two while transitioning, this is not a fault. The inbuilt fan will run while in boost mode and will cut off for float mode. In general batteries should not be charged below 5 degrees Celsius and not above 50 degrees Celsius, this is a battery limitation not a charger limitation. Note that as batteries age the float current will typically increase and may cause the charger to stay in boost mode, batteries on charge should be checked periodically to prevent the possibility of overheating. Flooded batteries may suffer from electrolyte stratification if left sitting still for extended periods and this may also cause heating issues on charge, in these cases, if possible, gently rock the battery to remix the electrolyte solution, being in a moving vehicle will do the same.

### **Warranty:**

The BCS-1604 is for indoor/sheltered use only. Should a fault occur please contact your supplier for a remedy or call Wialki Electronics on (08) 9455 2245. Warranty period is three years parts and labour, freight or postage is the owner's responsibility. Faults occurring as a result of misuse or natural disasters are not covered by warranty. Rights conferred by legislation are not excluded.

### **Safety notes:**

- This charger is designed to be used in a sheltered environment and must not be subjected to rain or other sources of moisture. Always provide good ventilation.
- The mains lead should be replaced in the case of any damage. The charger is not suitable for use by children or the infirm.
- Where a battery is a set of two or more batteries they must all be the same age and capacity.
- There are no user serviceable parts inside, for help and assistance please call us on (08) 9455 2245.
- Lead acid batteries can produce flammable/explosive gasses, avoid sparks or open flame. Do not charge batteries in an enclosed space.

**Thank You**

**The team at Wialki Electronics**