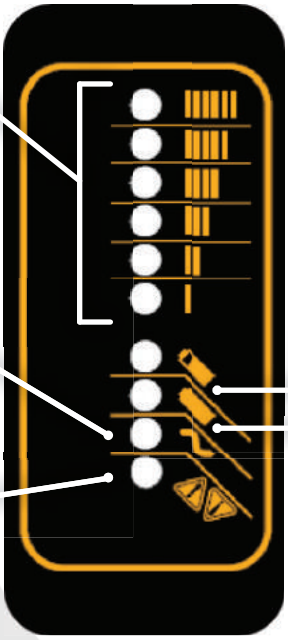
QUIQ SERIES TECHNICAL GUIDE

AMMETER
Solid
Displays Scale of output during bulk phase.
Flashing
Output has been reduced due to high internal charger temperature. Displays Charge profiles 1-6 for 11 seconds if no battery is connected.

AC INDICATOR
Solid
AC power is present
Flashing
Low AC voltage. Check electrical source and cord length.

FAULT INDICATOR
Red Light
Charger error. Refer to troubleshooting instructions below.



BULK CHARGE INDICATOR
Solid
Bulk charge phase complete (80% charged); in absorption phase.
Flashing
Displays charge profile number if no battery is connected.
Displays charge profiles 7 and above.

CHARGE COMPLETION
Solid
Charging complete and maintenance mode is active.
Flashing
Absorption phase complete, in finishing phase.

Selecting a Charge Profile

Delta-Q's QuiQ Charger can store up to 10 charging profiles, also called charge algorithms. Pre-2006 QuiQ chargers with serial number prefix DQCP allow pre-loaded profiles to be selected, but cannot be reprogrammed with new profiles. QuiQ chargers can be programmed using one of two methods.

MANUAL SELECTION METHOD
Requires no external hardware.

QUIQ PROGRAMMER WITH PC METHOD
Requires a QuiQ Programmer (900-0089-02) and a PC.

For more information, visit the Delta-Q support page:
www.delta-q.com/support/

Troubleshooting Instructions

If a fault occurs, count the number of red flashes between pauses and refer to the table below.

Flash Sequence	Cause	Solution
⏸ ✳ ⏸	Battery high voltage.	Check battery size condition. This fault will clear automatically once the condition has been corrected.
⏸ ✳ ✳ ⏸	Battery low voltage.	Check battery size and condition. This fault will clear automatically one the condition has been corrected.
⏸ ✳ ✳ ✳ ⏸	Charge timeout caused by battery pack not reaching required voltage; or charger output reduced due to high temperatures.	Check connections. Ensure battery type matches selected charge profile and operate the charger at a lower ambient temperature. Reset the charger by interrupting AC power for 15+ seconds.
⏸ ✳ ✳ ✳ ✳ ⏸	Battery could not be trickle charged up to minimum voltage.	Check for shorted or damaged cells. Reset the charger by interrupting AC power for 15+ seconds.
⏸ ✳ ✳ ✳ ✳ ✳ ⏸	Charger shutdown due to high internal temperature.	Ensure sufficent cooling airflow. Reset the charger by interrupting AC power for 15+ seconds.
⏸ ✳ ✳ ✳ ✳ ✳ ✳ ⏸	Internal charger fault.	Reset the charger by interrupting AC power for 15 seconds. Return to service depot if fault persists.