

# IQ4



## Great for Storing your Flooded Lead-Acid Batteries

Our traditional IQ4 Smart Charge Controller delivers 4 basic charging functions: BULK, ABSORPTION, and FLOAT, and a seven-day MAINTENANCE cycle. The IQ4 is an excellent way to maintain your stored flooded lead acid batteries, such as in an RV that is parked for extended periods of time.

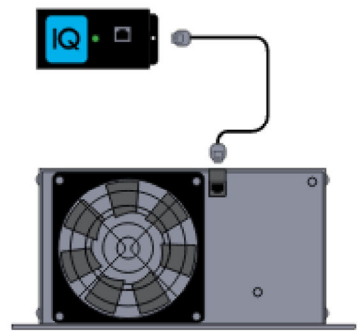
### Charging Profile

The IQ4 progresses through the following stages while charging your batteries:

<b>BULK</b>	The Bulk Stage of the IQ4 allows the batteries to be charged from the full rated output of the charger. This increased charging period reduces the overall charging time of the battery.
<b>ABSORPTION</b>	After the Bulk Stage, the IQ4 then moves to the Absorption Stage. This mode will continue for up to 480 minutes (8 hours) to ensure that the battery receives a complete charge.
<b>FLOAT</b>	During the Float Stage, the IQ4 reduces the DLS charge voltage. This reduced voltage maintains the full charge while minimizing 'gassing' of the battery. The IQ4's float stage prevents boiling and bulging of the battery caused when the battery is exposed to higher charging voltages for too long.
<b>MAINTENANCE</b>	If the batteries remain in a "float stage" for a seven-day period, the IQ4 will switch the DLS charger into a pre-programmed Maintenance Stage. This protects the life of your battery by dissolving any sulfate layer on the battery's internal plates and avoids stratification that can occur when a battery has not been in use for extended periods.

### Installation

The IQ Smart Charge Controller easily plugs into the Dual Voltage Jack\* of your IOTA DLS Battery Charger. Once plugged in, the IQ Smart Charge circuitry is automatically engaged and your IQ module will activate. Your DLS will now provide an automatic and trouble free charging profile to your batteries!



\*Location of the Dual Voltage Jack may vary depending on the IOTA DLS Model

Note: External IOTA IQ Smart Charge Controllers are not compatible with DLS with internal IQ charge control.