



Lithionics Battery

NeverDie® CANbus Charger LED Blink Patterns

Rev. 1 ©2018 Lithionics Battery

The NeverDie® Series CANbus Charger has a Red, Yellow, Green LED indicator on its chassis that indicates the current stage it is in as well as fault modes which are useful for diagnosis.

Normal Mode LED Blink Patterns	
Function	LED Blink Pattern
Bulk charge	RED solid
Final charge	YELLOW solid
Balance stage	GREEN flash
Float stage	GREEN solid
Charger stopped	RED/GREEN flash

Fault Mode LED Blink Patterns		
Fault	LED Blink Pattern	Troubleshooting Action
Charger over-temperature protection	R-G-Y- - - Y(1)	Check that charger's fan is operating and has at least 3 inches of clearance in front of it
Input fault protection	R-G-Y-Y- - - Y(2)	Check AC Power Input
Communication failure	R-G-Y-Y-Y- - - Y(3)	Check CANbus communication wiring and connectors
Internal temperature sensor fault	R-G-Y-Y-Y-Y-Y- - - Y(6)	Contact Lithionics Battery
Output voltage feedback fault	R-G-Y-Y-Y-Y-Y-Y- - - Y(7)	Contact Lithionics Battery
Low temperature start delay	R-G-Y-Y-Y-Y-Y-Y-Y- - - Y(8)	When the internal temperature of charger is between -20 to -30 ° C, the charger will delay starting for 1~2 minutes