

Mini Add-A-Battery Plus

DON'T GET STRANDED WITH A DEAD BATTERY

Charge two batteries at or away from the dock with a 10A multistage battery charger and integrated 65A Automatic Charging Relay (ACR)

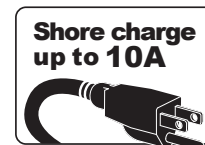
- **AC charging at the dock:** Use AC shore power to charge two isolated battery banks with the 3 Stage 10 Amp battery charger
- **DC charging away from the dock:** Share the DC power from the alternator with both the Start and the Auxiliary battery through the integrated 65A ACR
- **Dual Circuit Plus Battery Switch:** Simplifies switching two battery banks simultaneously while maintaining battery bank Isolation
- Battery temperature compensation prolongs battery life
- Start isolation protects sensitive electronics from voltage sags and spikes
- Includes LED remote indicator for charge status at the helm
- Snap-on insulating cover
- One-piece stainless flange nuts ensure safe and secure connections



7655 North American: NEMA 5-15P

7654 European: CEE 7/7

7653 Bare Wire



Related Products



Mini Add-A-Battery



Add-A-Battery



BatteryLink® Charger

Mini Add-A-Battery Plus 7655/7654/7653



BatteryLink® Charger

Specifications	
Nominal Output Voltage	12V DC
Total Output Current	10A
Output Connections	2 positive, 1 negative
Universal AC Input Voltage	90V-265V AC
Input Frequency Range	50/60 Hz
Typical Float Voltage	13.5V DC
ACR Continuous Rating	65A
ACR Intermittent Rating (5 min.)	115A
ACR Combine Voltage (2 min.)	13.0V
ACR Combine Voltage (30 sec.)	13.5V
ACR Open Voltage (10 sec.)	12.35V
ACR Open Voltage (30 sec.)	12.75V
Operating Current (No AC Power, ACR Open)	10mA
Operating Current (No AC Power, ACR Closed)	60mA
Positive Cable Size (to meet current ratings)	6 AWG (16mm ²)
Negative Cable Size (to meet current ratings)	10 AWG (6mm ²)
Maximum Cable Size	1/0 AWG (50mm ²)
Terminal Stud Size	1/4"-20 (accepts M6 ring terminal)
Maximum Terminal Stud Torque	60 in-lb (6.8 Nm)
Quick Connect Terminal Size	1/4" x 0.032"
Warranty	5 Year
Battery Types	Flooded, AGM, TPPL
Maximum Battery CCA	850 CCA
Recommended Battery Bank Sizes* (for optimal charging efficiency)	60Ah Minimum, Example: 1 × Group 24 120Ah Maximum, Example: 2 × Group 24

* Battery bank sizes are tested to California Energy Commission compliance (CEC). Larger and smaller size banks could charge well, but consume slightly more power over the charging cycle.

Regulatory

Designed and constructed for compliance to UL-1236 Marine, CSA 22.2 No. 107.2, and ABYC A-31 standards. Ignition Protection per ISO 8846, and SAE J1171. Meets FCC Part 15, Class B requirements. IP67 - protected against immersion up to 1 meter for 30 minutes

PN	Description	Plug Style
7605	BatteryLink® Charger	North American: NEMA 5-15P
7604	BatteryLink® Charger	European: CEE 7/7
7603	BatteryLink® Charger	European: Bare Wire

m Series Dual Circuit Plus™ Battery Switch

Specifications	
6011	
Cranking Rating: 30 sec.	675A per circuit
Intermittent Rating: 5 min.	450A per circuit
Continuous Rating	300A per circuit
Voltage Max. Operating	32V DC

Regulatory

CE marked, ISO 8846, UL Listed - UL 1107 electric power switches
Meets American Boat and Yacht Council (ABYC) requirements
Meets UL 1500 and SAE J1171 external ignition protection requirements
IP66 - protected against powerful water jets (see inside back cover)

PN	Description	Color
6011	Dual Circuit Plus™	Red



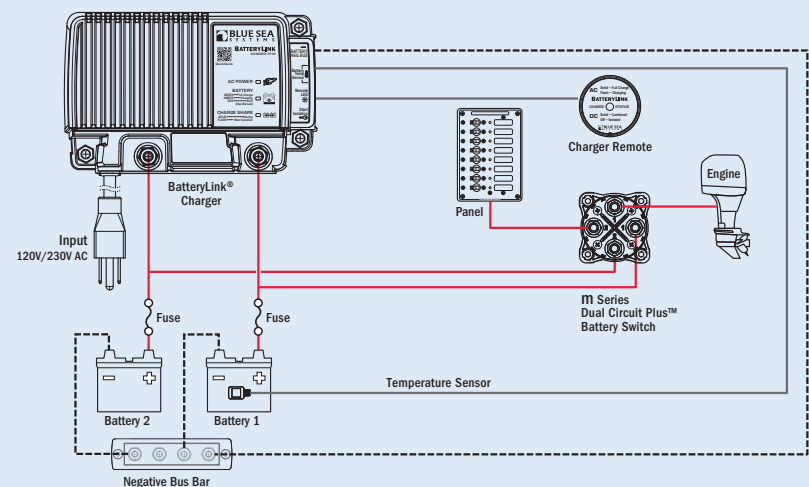
AC & DC Battery Charging Explained

AC Charging (At the Dock)

The BatteryLink® Charger works like a typical AC charger. When you plug in the AC cord, power is supplied allowing up to 10 amps of current to charge the connected batteries. Unlike a typical two bank charger, the BatteryLink® Charger will charge both batteries simultaneously through the integrated ACR. When AC power is present, the ACR will combine both batteries and the AC charger will charge them as one bank. For this reason the BatteryLink® Charger can only be used in 12V applications.

DC Charging (Away from the Dock)

The BatteryLink® Charger incorporates DC charging through an integrated 65A Automatic Charging Relay (ACR). An ACR uses a relay combined with a voltage sensing circuit. When a DC charge is being applied to either battery, and causes the voltage to rise above 13.0V, the relay closes and combines the two batteries to share the charge. When the charge is taken away or a load on the battery causes the voltage to drop below 12.75V, the relay will open, isolating the two batteries. This means that even when the BatteryLink® Charger is disconnected from AC power you can charge both your battery banks with an onboard DC charging source, like an engine alternator.



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Specifications subject to change.
See blueseas.com for current information.
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