Charge two batteries away from the dock. Provides simplified switching with the Dual Circuit Plus™ Battery Switch and automated charging with the Automatic Charging Relay.

The Add-A-Battery includes a Dual Circuit Plus™ Battery Switch and an Automatic Charging Relay. These components simplify switching and automate charging, so that all you have to do is turn the battery switch ON when you arrive and OFF when you leave.

**Dual Circuit Plus™ Battery Switch**
- Simplifies switching
- Isolates engine and house circuits
- Combines batteries for emergency starting
- Tin-plated copper studs for maximum conductivity and corrosion resistance

**ACR Automatic Charging Relay**
- Automatically combines batteries during charging
- Isolates batteries during engine cranking and when not charging
- Shares the charge between two batteries more efficiently than a battery isolator
- Allows efficient dual battery charging without needing regulator adjustment or rewiring

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**Operational Diagram**

**ENGINE* ON**
ACR combines batteries, sharing charge with House battery

**ENGINE* OFF**
ACR isolates batteries, protecting the Start battery from discharge

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*Engine with alternator up to 65A for Mini Add-A-Battery and engine with alternator up to 120A for Add-A-Battery
Mini Add-A-Battery 7649
M-Series Dual Circuit Plus™ Battery Switch 6011

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

M-ACR 7601
- Continuous Rating 65A
- Nominal Voltage 12V / 24V DC
- Intermittent Rating: 5 min. 115A
- Cable Size to meet ratings 6 AWG (16mm²)
- Terminal Stud Size 1/4"-20 (M6)
- Relay Contact Position 12V DC 24V DC
  - Combine (30 sec.) 13.6V DC 27.2V DC
  - Combine (2 min.) 13.0V DC 26.0V DC
  - Open Low (10 sec.) 12.35V DC 24.7V DC
  - Open Low (30 sec.) 12.75V DC 25.5V DC
  - Over Voltage Lockout 16.0V DC
  - Under Voltage Lockout 9.5V DC 19.0V DC

Regulatory
- CE marked for Ignition Protection, Meets ISO 8846 and SAE J1171 external ignition protection requirements
- UL 1500, M-Series 6011 only
- Rated IP67—protected against immersion up to 1 meter 30 minutes

Add-A-Battery 7650
E-Series Dual Circuit Plus™ Battery Switch 5511E

Specifications
- Cranking Rating: 30 sec. 700A per circuit
- Intermittent Rating: 5 min. 525A per circuit
- Continuous Rating 350A per circuit
- Voltage Max. Operating 32V DC

SI-ACR 7610
- Continuous Rating 120A
- Nominal Voltage 12V / 24V DC
- Intermittent Rating: 5 min. 210A
- Terminal Stud Size 3/8"-16 (M10)
- Relay Contact Position 12V DC 24V DC
  - Combine (30 sec.) 13.6V DC 27.2V DC
  - Combine (2 min.) 13.0V DC 26.0V DC
  - Open Low (10 sec.) 12.35V DC 24.7V DC
  - Open Low (30 sec.) 12.75V DC 25.5V DC
  - Over Voltage Lockout 16.0V DC
  - Under Voltage Lockout 9.5V DC 19.0V DC
  - Under Voltage Reset 10.0V DC 20.0V DC

Regulatory
- CE marked for Ignition Protection, Meets ISO 8846, UL 1500 and SAE J1171 external ignition protection requirements
- Rated IP67—protected against immersion up to 1 meter for 30 minutes

Add-A-Battery 5511E
For outboards up to 350HP or inboards with stock alternators
- 700A Cranking: 30 sec.
- 525A Intermittent: 5 min.
- 350A Continuous
- 32V DC Maximum
- Cable size 4/0 AWG (120mm²)

Add-A-Battery 7610
For outboards up to 350HP or inboards with stock alternators
- 210A Intermittent: 5 min.
- 120A Continuous
- 12V or 24V DC Nominal

Wiring diagram for both Add-A-Battery Kits

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