SALES SHEET

ADD-A-BATTERY

SIMPLIFIES SWITCHING AND AUTOMATES CHARGING OF TWO BATTERY BANKS

DON'T GET STRANDED WITH A DEAD BATTERY.

The ADD-A-BATTERY is as simple to operate as an ON-OFF switch, yet effectively manages the switching and charging of two batteries from a single charge source.

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
- Blue Sea Systems one-piece terminal stud design never loosens over time

ACR Automatic Charging Relay

- Automatically combines batteries during charging
- Isolates batteries during engine cranking and when not charging
- Shares the charge between two batteries 12 times more efficiently than a battery isolator
- Allows efficient dual battery charging without needing regulator adjustment or rewiring
- Easy to install wire - Does not require integration with engine wire harness

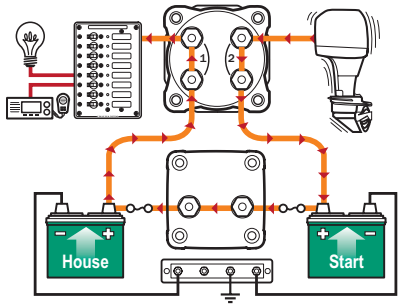
NEW

Mini Add-A-Battery

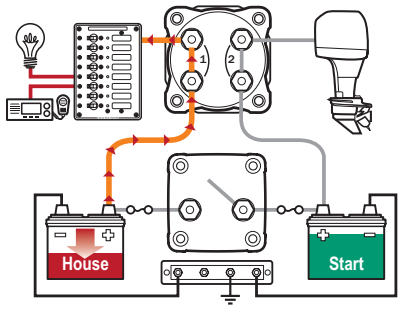
PN	Weight
7649	1.95 (0.88)

Add-A-Battery

PN	Weight
7650	2.36 (1.07)



ENGINE* ON
ACR combines batteries sharing charge with House battery



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

*Engine with alternator up to 65A for Mini Add-A-Battery and engine with alternator up to 120A for Add-A-Battery

BLUE SEA SYSTEMS

ADD-A-BATTERY

Specifications

Mini Add-A-Battery

m-Series Dual Circuit Plus™ Battery Switch PN 6011

Cranking Rating: 10 sec.	1,000A per circuit
Cranking Rating: 1 min.	650A per circuit
Intermittent Rating	450A per circuit
Continuous Rating	300A per circuit
Voltage Max. Operating	32V DC

Mini ACR PN 7601		12V DC	24V DC
Continuous Rating		65A	65A
Intermittent Rating (5 min.)		115A	115A
Maximum Cable Size		1/0 AWG	1/0 AWG
Terminal Stud Size		1/4"-20	1/4"-20
Relay Contact Position			
Combine	(30 sec.)	13.6V DC	27.2V DC
Combine	(2 min.)	13V DC	26V DC
Open Low	(10 sec.)	12.35V DC	24.7V DC
Open Low	(30 sec.)	12.75V DC	25.5V DC
Under Voltage Lockout		9.5V DC	19V DC

Add-A-Battery

e-Series Dual Circuit Plus™ Battery Switch PN 5511e

Cranking Rating: 10 sec.	1,000A per circuit
Cranking Rating: 1 min.	750A per circuit
Intermittent Rating	525A per circuit
Continuous Rating	350A per circuit
Voltage Max. Operating	32V DC

SI-ACR PN 7610		12V DC	24V DC
Continuous Rating		120A	120A
Intermittent Rating (5 min.)		210A	210A
Maximum Cable Size		1/0 AWG	1/0 AWG
Terminal Stud Size		3/8"-16	3/8"-16
Relay Contact Position			
Combine	(30 sec.)	13.6V DC	27.2V DC
Combine	(2 min.)	13V DC	26V DC
Open Low	(10 sec.)	12.35V DC	24.7V DC
Open Low	(30 sec.)	12.75V DC	25.5V DC
Under Voltage Lockout		9.5V DC	19V DC
Over Voltage Lockout		16V DC	32V 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

Choose the right ACR for your application

Step 1 Select an ACR that has a **CONTINUOUS** rating above the maximum alternator output rating and an **INTERMITTENT** rating that is above the largest load on the auxiliary battery.

Step 2 Review the **PRESET ACR SETTINGS**

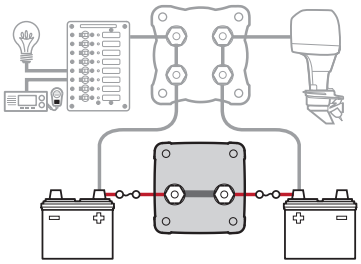
Step 3 Select the ACR with the desired **PRODUCT FEATURES**

Part Number	7601	7610
CONTINUOUS	65A	120A
INTERMITTENT	115A	210A

PRESET ACR SETTINGS

Combine Voltage

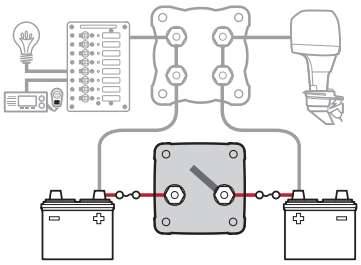
- Charge present
- Voltage in either battery is ≥13.6V for 30 sec.
- Relay will close combining batteries
- Combined batteries share charge



✓ ✓

Open Voltage

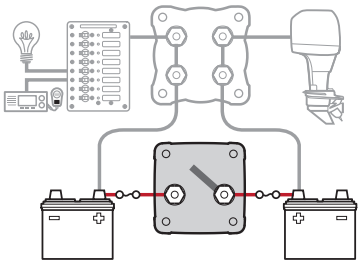
- No charge present or loads exceed charge input
- Voltage in either battery is ≤12.75V for 30 sec.
- Relay will open isolating batteries
- Isolated batteries do not share charge



✓ ✓

Under Voltage Lockout

- Charge may or may not be present
- Voltage in either battery is ≤9.6V for 30 sec.
- Relay will open isolating batteries protecting the ACR from high current surge
- Isolated batteries do not share charge



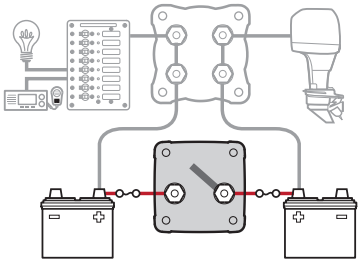
✓ ✓

PRODUCT FEATURES

Start Isolation

Condition: Engine starting

- Relay will open isolating batteries
- Batteries are isolated to protect sensitive electronics from voltage sags and spikes



✓ ✓

LED Output for Remote Indication of State of ACR

✓ ✓

Icon Key

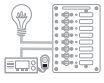

Dual Circuit Plus™ Battery Switch


Battery


ACR closed


Outboard motor


ACR open


Panel with loads

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See bluesea.com for current information.
6833 Rev.005