

ADD A BATTERY Dual Circuit System

120 Amp SI* Automatic Charging Relay *Starting Isolation

- Allows temporary isolation of house loads from engine circuit during engine cranking to protect sensitive electronics
- Supports high-output alternators up to 120 Amps
- Under voltage lockout-will not close when the lower battery is below 10.8V at 12V operation or 21.6V at 24V operation
- Built in LED light indicates when batteries are combined
- Waterproof rated IP67—temporary immersion for 30 minutes
- Senses charge source on either battery bank

| Specifications | 12 Volt | 24 Volt |
|------------------------|--------------|--------------|
| Continuous Rating | 120 Amps | 120 Amps |
| Intermittent Rating | 210 Amps | 210 Amps |
| Inrush Rating | 280 Amps | 280 Amps |
| Maximum Cable Size | 1/0 AWG | 1/0 AWG |
| Terminal Stud Size | 3/8"16 (M10) | 3/8"16 (M10) |
| Maximum Torque | 140 in-lbs | 140 in-lbs |
| Relay Contact Position | | |
| - Combine (30 sec.) | 13.6 Volts | 27.2 Volts |
| (2 min.) | 13.0 Volts | 26.0 Volts |
| - Open Low (10 sec.) | 12.35 Volts | 24.7 Volts |
| (30 sec.) | 12.75 Volts | 25.5 Volts |
| - Open High | 16.0 Volts | 30.0 Volts |

Certifications

- CE marked

Agency Standards

- ISO 8846
- Meets SAE J1171 external ignition protection requirements

Dual Circuit Plus™ Battery Switch

- Switches two battery banks simultaneously with one simple ON/OFF switch while maintaining battery bank isolation, minimizing the risk of a dead start battery
- The “Combine Batteries” function offers the ability to combine two battery banks in the event of a low start battery
- Case design allows surface, or rear panel mounting

Specifications

| | |
|---------------------------------------|------------------------------|
| Inrush Rating: 2.5 sec.** | 1,500 Amperes DC |
| Cranking Rating: 100 sec.** | 700 Amperes DC |
| Intermittent Rating: 5 min. (UL 1107) | 525 Amperes DC |
| Continuous Rating: (UL 1107) | 300 Amperes DC |
| Terminal Studs, Tin-Plated Copper | 3/8"-16 (M10) |
| Torque | 140 in-lbs. |
| Cable Size to Meet Ratings*** | 4/0 AWG (95mm ²) |
| Maximum Voltage Rating | 32 Volts DC |
| Cable Clearance For 4/0 Cables | 1.10" (28.0mm) |
| Case Material | Reinforced Polycarbonate |

Certifications

- CE marked
- UL Listed - UL 1107 electric power switches

Agency Standards

- Meets UL 1500 and SAE J1171 external ignition protection requirements
- ** See www.bluesea.com for Blue Sea Systems Engine Starting Standard
- *** Reducing cable sizes will reduce current ratings

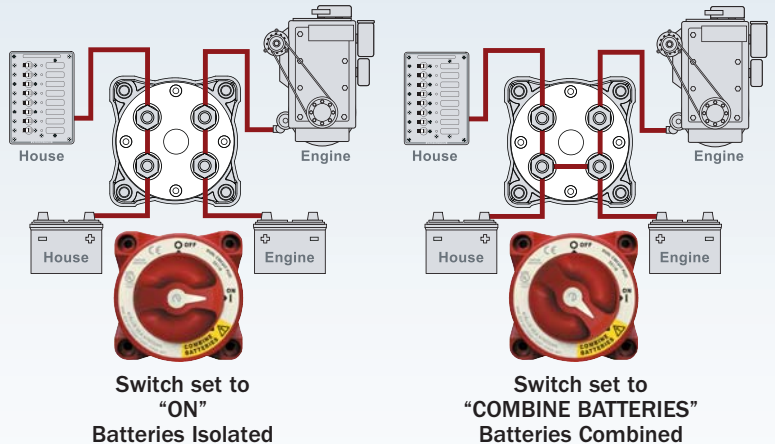
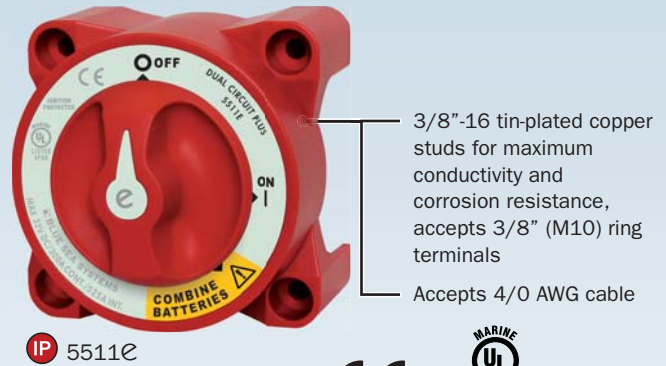
| PN | Description |
|-------|---|
| 7610 | 120 Amp SI* Automatic Charging Relay *Start Isolation |
| 5511E | Dual Circuit Plus™ Battery Switch |
| 7650 | ADD A BATTERY Dual Circuit System |

IP IGNITION PROTECTED

425 Sequoia Drive
Bellingham, WA 98226 USA

Phone: 360-738-8230
Fax: 360-734-4195

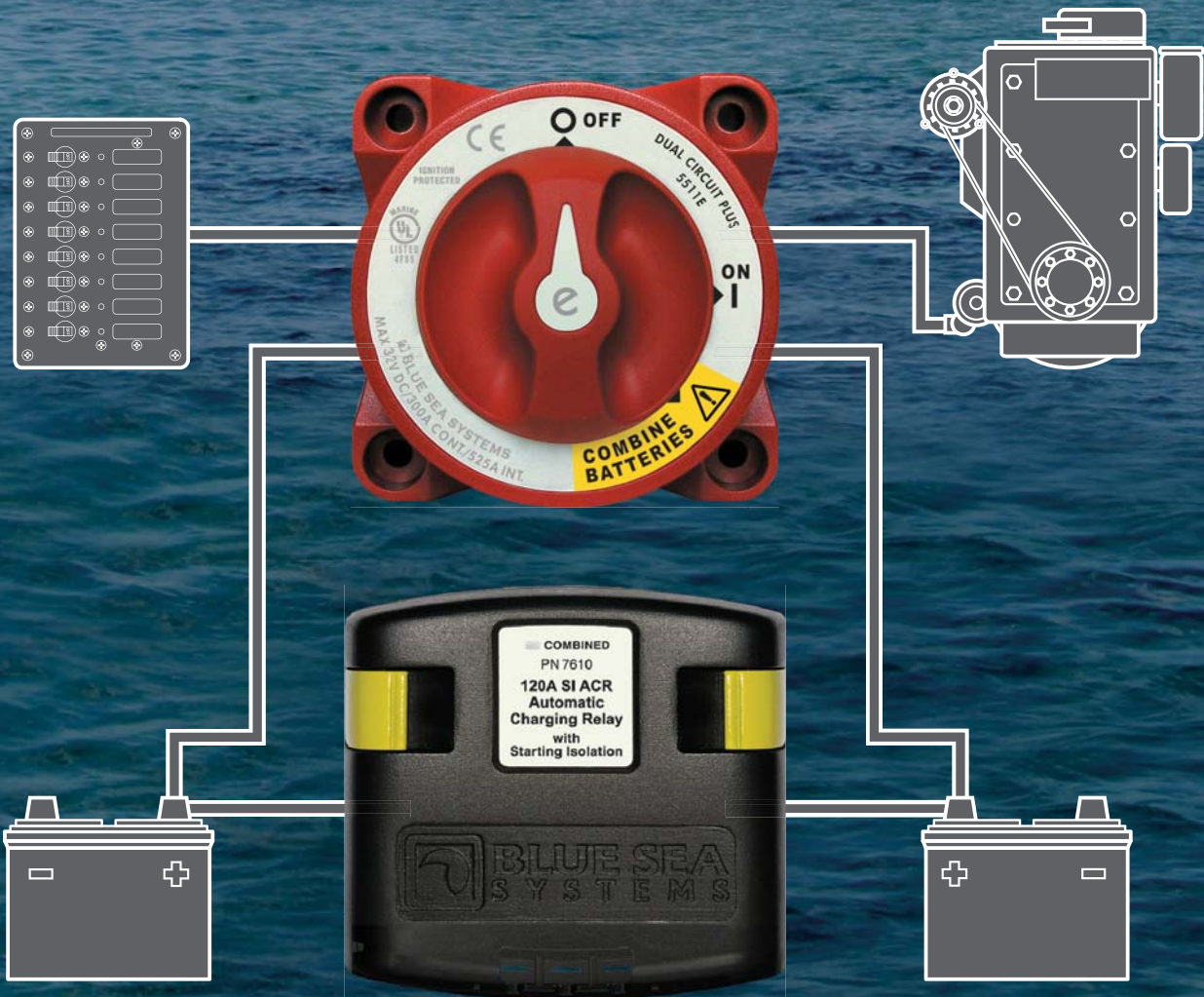
Email: conductor@bluesea.com
Internet: www.bluesea.com



BLUE SEA
SYSTEMS

ADD A BATTERY *Dual Circuit System*

Simplifies Switching • Automates Charging



Everything you'll need to manage a two battery bank system

5511E - Dual Circuit Plus™ Battery Switch - IBEX innovation award winner 2005

- Simplifies switching
- Isolates engine and house circuits
- Combines batteries for emergency starting



7610 - 120 Amp SI* Automatic Charging Relay *Starting Isolation

- Automatically combines batteries during charging
- Isolates batteries during engine cranking and when not charging

7650 - The power of two great products in one package.