

Selection Chart

Choose the right Automatic Charging Relay for your application

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.
2. Review the **PRESET ACR SETTINGS**
3. Select the ACR with the desired **PRODUCT FEATURES**

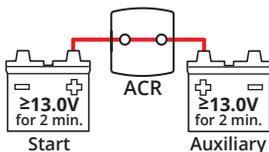


Part #	7601	7611	7610	7620	7622
Continuous	65A	120A	120A	500A	500A
Intermittent	115A	210A	210A	700A	700A

PRESET ACR SETTINGS

Combine Voltage

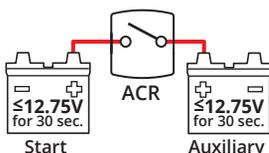
- Charge present and loads do not exceed charge input
- Voltage of either battery is $\geq 13.0V$ for 2 min.
- Relay will close, combining batteries
- Combined batteries share charge



✓	✓	✓	✓	✓
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Open Voltage

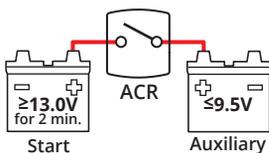
- No charge present or loads exceed charge input
- Combine voltage is $\leq 12.75V$ for 30 sec.
- Relay will open, isolating batteries
- Isolated batteries do not share charge



✓	✓	✓	✓	✓
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Under Voltage Lockout

- Charge may or may not be present
- Voltage of either battery is $\leq 9.5V$ (ML-ACR 9.6V)
- Relay will not close even with charge on other battery, protecting ACR and wiring from high surge current
- Isolated batteries do not share charge



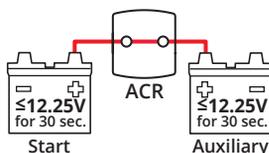
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PRODUCT FEATURES

Auxiliary Battery Priority (optional)

Condition: Engine running

- Open voltage is lowered to 12.25V from 12.75V
- Relay remains closed longer, combining batteries, to allow use of auxiliary loads for a longer period of time

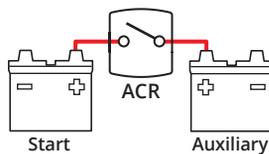


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Start Isolation (optional)

Condition: Engine starting

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

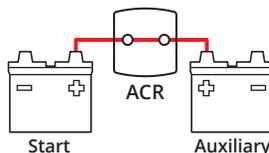


✓		✓	✓	✓
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Start Assist

Condition: Engine starting – (Press Contura Switch)

- Relay is closed, combining batteries
- Batteries are combined to share power in the event of a low start battery

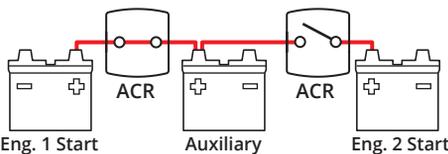


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Engine Isolation

Condition: Two engines are running

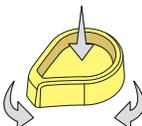
- One relay is open and one relay is closed
- Engine 1 Start and Engine 2 Start batteries are isolated to protect engine electronics
- If requested by engine manufacturer



		✓		✓
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Manual Override

Manual override knob provides an added level of safety allowing manual control of ON-OFF



				✓
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