

Battery Isolators

Eaton Battery Isolators are diode based products that allow a single alternator to charge multiple battery banks while completely isolating the battery banks. Single or multiple alternator options are available for one, two or three battery banks.

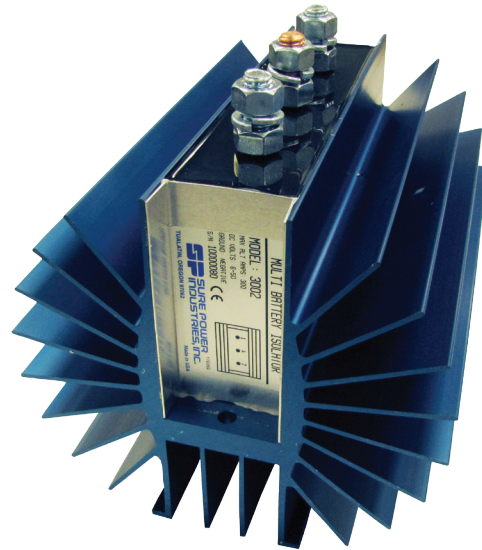
Standard or Schottky diode options are available.

Features & Benefits

Simple and safe to operate with the engineered safety margins required for high power vehicle applications ranging from 6V to 48V and 25A to 350A.

Options

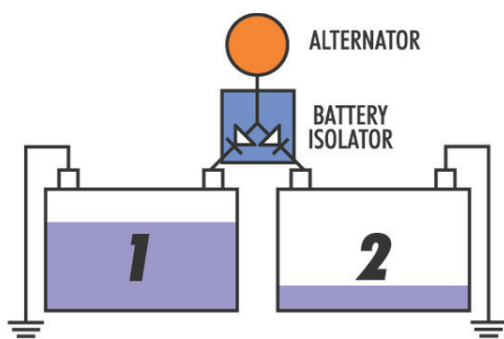
Eaton's Battery Isolator options include single and dual inputs and single, dual and triple output configurations. Specific configuration options for numerous OEM (Ford, Chrysler, Toyota, Honda, etc) applications.



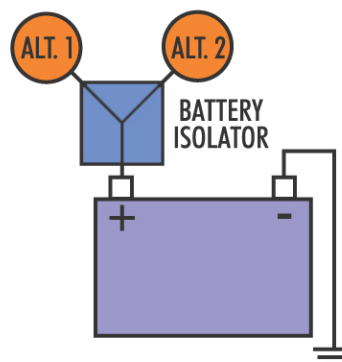
Model	Current (A)	Input	Output	Application
Group One				
122	25	1	2	
702	70	1	2	
703	70	1	3	
704	70	1	4	
2702	70	2	2	
2703	70	2	3	
952	95	1	2	
1202	120	1	2	
1203	120	1	3	
3202	120	2	2	
3203	120	2	3	
1302	130	1	2	
1602	160	1	2	
1603	160	1	3	
2003	200	1	2	
2402	240	1	2	
2403	240	1	3	
3002	300	1	2	
3003	300	1	3	
3303	95 / 160	2	3	
3603	120 / 160	2	3	
31822	160	1	2	
31922	240	1	2	
				<p>General Motors (Delcotron and Delphi) Except Delcotron / Delphi CS Series alternators (CS used on most 1985 and newer GM vehicles)</p> <p>Ford Up to 1998</p> <p>Chrysler All models, all years Includes Nippondenso externally regulated alternators</p> <p>Jeep Equipped with Nippondenso externally regulated alternators</p> <p>Motorola Load Handler Series or 8EM Remote Sense Series</p> <p>Japanese Imports With alternators using external voltage regulator or external sensing</p>

Model	Current (A)	Input	Output	Application
Group Two				
9523A	95	1	2	General Motors (Delcotron and Delphi) Equipped with Delcotron / Delphi CS Series alternators (most 1985-1993) or CS 130-D Series alternators (most 1993 and newer) Ford Many 1998 and newer Jeep Vehicles equipped with Delcotron / Delphi CS Series alternator (most 1985-1990) Toyota, Honda, and some other imports 1985 and newer equipped with Nippondenso alternator with internal regulators or alternators with an "S" (sense) terminal
12023A	120	1	2	
12033A	120	1	3	
13023A	130	1	2	
13033A	130	1	3	
16023A	160	1	2	
16033A	160	1	3	
24023A	240	1	2	
32033A	120	2	3	
Group Three*				
2703R	70	2	3	Bosch Requiring regulator sensing Motorola Other than Load Handler Series* Many European style alternators Requiring regulator sensing*
203R	120	2	3	
952R	95	1	2	
702R	70	1	2	
Group Four				
If the alternator is not compatible with battery isolators, a battery separator would be the next alternative. Alternators with internal voltage sensing, e.g. some Mitsubishi and Hitachi, or single wire self-exciting Delco / Delphi alternators, some Hondas and selected imports.			2005 and newer General Motors applications using the Delphi alternators (may also be labeled Bosch) with two pin terminal connectors will not work with Battery Isolators: use Battery Separator. <i>Note: Dodge Sprinter classified under Group 4.</i>	
Special Applications*				
31322	60	1	2	Schottky Isolator
122P	25	2	1	Positive ground isolators can be used as charging source combiners
702P	70	2	1	
1602P	160	2	1	
31622P	160	2	1	
92061	300 / 160	2	1	

*Please contact technical support (800.845.6269) at Eaton for proper application of special application isolators.



Typical Isolator Application



Typical Combiner Application