

Battery Bank Combiner



Pathmaker 100



Pathmaker 200

Multiple Battery Bank Charging

PathMaker is a battery combiner that automatically connects 2 or 3 battery banks for simultaneous charging and isolates them during discharge. A toggle switch allows the user to manually parallel battery banks for emergency starting power. For use with 12 or 24-volt systems, PathMaker has user adjustable settings for connect and disconnect.

Product Features

- ▶ Automatic, high current switch for simultaneous two to three bank charging
- ▶ Connects batteries together when the voltage is sufficiently high and disconnects when voltage drops during discharge
- ▶ No voltage drop in charging voltage
- ▶ Manual connect feature for emergency starts
- ▶ Compatible with all charging sources
- ▶ Convenient front panel LED status indicators
- ▶ User-selectable connect and disconnect voltages
- ▶ Optional Remote Control - indicates Off, Auto and Combine

Options

- ▶ Five models available
- ▶ Available in two or three battery bank versions with models at 100, 200, and 250 Amps

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Specifications

Current ratings	100 A: 100 A continuous, 400 A peak
	200 A: 200 A continuous, 600 A peak
	250 A: 250 A continuous, 1200 A peak
Voltage range	7 – 33 V (24 V assumed if > 18.0 V)
Low voltage disconnect range	12.8 – 13.2 V (X2 for 24 V)
Connect voltage range	13.1 – 13.5 V (X2 for 24 V)
High voltage disconnect range	14 – 16 V (X2 for 24 V)
Idle power consumed	0.2 – 0.35 W at 12 V, 0.4 – 0.7 W at 24 V
Connected power	100 A/2 Bank 5.4W @12 V, 5.8 W @ 24 V
	100 A/3 Bank 10.4 W @12 V, 10.8 W @ 24 V
	200 A/2 Bank 4.3 W @12 V, 4.7 W @ 24 V
	200 A/3 Bank 8.2W @12 V, 8.6 W @ 24 V
Indicator lights	250 A/2 Bank 5.2 W @12 V, 5.6 W @ 24 V
	Disabled: Yellow
	Connected: Green
	High Voltage Disconnect: Red
External control	Wait for Reconnect: Flashing Red
	User supplied momentary on/off switch
Operating temperature range	-40 – 65°C
Remote panel (optional)	Flush mount, splashproof front, 25' cable included
Dimensions (HxWxD)	100 A: 6.3 x 7.4 x 3.6"
	200 A: 7.6 x 7.4 x 3.2"
	250 A: 7.6 x 7.4 x 3.2"
Warranty	18 months
Part Numbers	84-2051-02 (100 A with 2 battery banks)
	84-2051-03 (100 A with 3 battery banks)
	84-2052-02 (200 A with 2 battery banks)
	84-2052-03 (200 A with 3 battery banks)
	84-2094-01 (250 A with 2 battery banks)
	84-2053-00 (Remote with 25' cable)

Note: Specifications subject to change without notice.