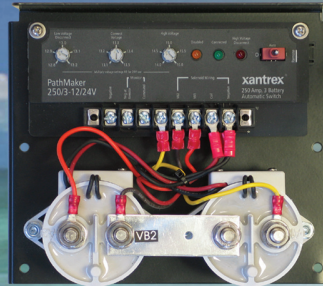


PathMaker 100



PathMaker 250

Battery bank combiner

Multiple Battery Bank Charging

PathMaker is a battery combiner that automatically connects two or three 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 DC charging sources
- ▶ Convenient front panel LED status indicators
- ▶ User-selectable connect and disconnect voltages
- ▶ Optional Remote Control - indicates Off, Auto and Combine
- ▶ One year warranty

Options

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

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Battery Bank Combiner

Specifications	
Current ratings	100 A: 100 A continuous, 400 A peak
	250 A: 250 A continuous, 2000 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	0.40 W @ 12 V, 0.54 – 1.0 W @24 V
Connected power	100 A/2 Bank 7.74 W @12 V, 10.78 W @ 24 V
	100 A/3 Bank 13.2 W @12 V, 17.4 W @ 24 V
	250 A/2 Bank 2.24 W @12 V, 3.69 W @ 24 V
	250 A/3 Bank 3.46 W @12 V, 5.43 W @ 24 V
Indicator lights	Disabled: Yellow
	Connected: Green
	High Voltage Disconnect: Red
	Wait for Reconnect: Flashing Red
External control	User supplied momentary on/off switch
Operating temperature range	-28.9°C – 48.9°C (100A), -40°C – 85°C (250A)
Remote panel (optional)	Flush mount, splashproof front, 25' cable included
Dimensions (H x W x D)	100 A: 6.3 x 7.4 x 3.6"
	250 A: 7.6 x 7.4 x 3.2"
Warranty	One year
Weight	100 A/2 Bank: 1.3 lbs.
	100 A/3 Bank: 1.7 lbs.
	250 A/2 Bank: 1.9 lbs.
	250 A/3 Bank: 2.9 lbs.
Part numbers	84-2051-02 (100 A with 2 battery banks)
	84-2051-03 (100 A with 3 battery banks)
	84-2094-01 (250 A with 2 battery banks)
	84-2094-03 (250 A with 3 battery banks)
	84-2053-00 (Remote with 25' cable)

Note: Specifications subject to change without notice.