

# Technical Bulletin

## Replacing Discontinued ProStar PS-15M-48V

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**Phocos North America**

Morningstar recently announced the discontinuation of its ProStar PS-15M-48V solar charge controller. An apples-to-apples PWM controller replacement for 48V systems is not currently available from Morningstar, but [Phocos' Dingo D2020N](#) solar charge controller is an excellent drop-in replacement for the PS-15M-48V.

Here are four key reasons for replacing the discontinued ProStar PS-15M-48V with the Dingo D2020N.

### #1: Compact Controller for 48V Applications

Both the PS-15M-48V and D2020N units are compact, negative ground PWM controllers weighing a pound or less.



Dingo D2020N is an excellent drop-in replacement for ProStar PS-15M-48V

### #2: Built-in LED Digital Meter

Both units offer easy-to-read LED display of voltage, current and battery status.

### #3: Load Disconnect

Both units offer load disconnect. PS-15M-48V's disconnect setpoint at 45.6V. D2020N's disconnect is programmable between 10V and 50V.

### #4: Datalogging

The D2020N's large memory allows data such as charging Ah, load Ah, battery voltage range and the daily state of charge to be stored for 512 days. 99 days of data can be accessed directly using the LED display.

The Dingo D2020N programmable solar charge controller offers these advantages:

- USB, RS232 and Ethernet connectivity accessories
- PRISM companion software
- Customizable charge/discharge setpoints
- Event controller
- Backup generator control
- Slow-switching mode for low EMI emission applications such as telecom

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## Key Comparison Chart

Feature	Dingo D2020N	*ProStar PS-15M-48V
<b>System voltage</b>	Selectable 12/24/32/36/48V	48V
<b>Maximum charge/load current</b>	20A	15A
<b>Charge process</b>	4 stage with equalization	4 stage with equalization
<b>Weight</b>	1 lb. (455 g)	12 oz. (0.34 kg)
<b>Display</b>	Backlit LED	Backlit LED
<b>Load disconnect</b>	Programmable 10V-50V	45.6V
<b>Datalogging</b>	Stores over 500 days of data	No

\* Source of PS-15M-48V specifications is product information published on [morningstarcorp.com](http://morningstarcorp.com)