Specifications: PS-15/PS-15M PS-30/PS-30M Nominal Battery Voltage 12/24 V 12/24 V 30/60 V 30/60 V Max. PV Open-Circuit Voltage Maximum Input Current 15 A 30 A Rated Load Current 15 A 30 A



Warning: Shock Hazard

Test between all terminals and ground before touching.

Power or accessory terminals are **NOT** electrically isolated from DC input and may be energized with hazardous solar voltage.

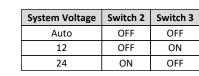
Operational Configuration:

Switch 1: Load/Lighting

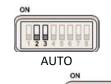
Mode	Switch 1	ON
Normal	OFF	
Lighting	ON	123
		, NI







Switches 2 & 3: System Voltage



12 V

24 V

Switches 4, 5, & 6: Battery Type Selection

NOTE: The ProStar Gen3 can be programmed to accommodate a wide range of charging parameters. Consult the battery manufacturer for optimal battery charging settings.

To Change Settings:

- On metered models, use the interface on the meter or use the software available at https://www.morningstarcorp.com/msview/.
- On non-metered models, use the software available at https://www.morningstarcorp.com/msview/.

See the ProStar Installation, Operations, and Maintenance Manual for additional information/guidance.





















1 – Sealed

2 – Sealed 3 – Sealed 3

Flooded *

5 - Flooded

6 – Flooded

7 – L-16

Custom**

	P Swite Setting	-	Battery Type	Absorption Stage	Float Stage	Equalize Stage	Absorption Time	Equalize Time	Equalize Timeout	Equalize Interval	LVD	LVR
4	5	6		(Volts)	(Volts)	(Volts)	(Minutes)	(Minutes)	(Minutes)	(days)	(Volts)	Volts)
OFF	OFF	OFF	1 – Sealed*	14.00	13.50		150				11.5	12.6
OFF	OFF	ON	2 – Sealed*	14.15	13.50	14.40	150	60	120	28	11.5	12.6
OFF	ON	OFF	3 – Sealed*	14.30	13.50	14.60	150	60	120	28	11.5	12.6
OFF	ON	ON	4 – AGM/Flooded*	14.40	13.50	15.10	180	120	180	28	11.5	12.6
ON	OFF	OFF	5 – Flooded	14.60	13.50	15.30	180	120	180	28	11.5	12.6
ON	OFF	ON	6 – Flooded	14.70	13.50	15.40	180	180	240	28	11.5	12.6
ON	ON	OFF	7 – L-16	15.40	13.40	16.00	180	180	240	14	11.5	12.6
ON	ON	ON	8 – Custom**	Custom	Custom	Custom	Custom	Custom	Custom	Custom	Custom	Custom

^{*&}quot;Sealed" battery types include Gel and AGM Batteries

^{**}Lithium-ion and some other battery types require custom programming. Morningstar provides downloadable settings for selected battery manufacturers here: https://www.morningstarcorp.com/energy-storage-partner-program/

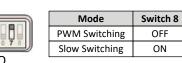
Shared Settings	Set Point	Shared Settings	Set Point
Absorption Extension Voltage	12.50 Volts	Float Cancel Voltage	12.10 Volts
Absorption Extension Time	Absorption Time +30 minutes	Equalize Time-Out	Equalize Time +60 minutes
Float Exit Time-Out	30 minutes	Temperature Compensation Co-Efficient	-30 millivolts / °C / 12 Volts

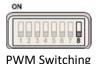
Switch 7: Battery Equalization

Mode	Switch 7
Manual Equalization	OFF
Auto-Equalization	ON











Contact Information:

Technical Support: Support.morningstarcorp.com

Phone: 1-215-321-4457



Switch 8: Current Switching





MORNINGSTAR

ProStar[™]

Solar Charging System Controller

Quick Start Guide

Max 12.17 V Min 12.16 V

Metered version shown.

Scan QR Code to go directly to the **ProStar Gen3 Installation Manual** and warranty information online.



Safety Information:

Warning: Shock Hazard

The ProStar Gen3 controller must be installed by a qualified technician in accordance with the electrical regulations of the country of installation.



Warning: Shock Hazard

This unit is not provided with a GFDI device. This charge controller must be used with an external GFDI device as required by the Article 690 of the National Electrical Code for the installation location.

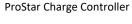


IMPORTANT: READ the ProStar Gen 3 Installation Manual for safety and regulatory information, instructions on configuration and operation, and warranty information.

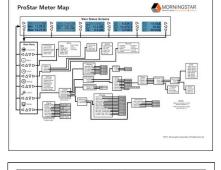
Warranty Registration: https://www.morningstarcorp.com/product-registration/

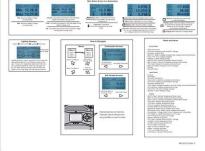
In the box:











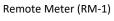
Menu Map (2 pages)

Tools Required:

- #2 Philips Screwdriver

Optional Accessories







PV Ground Fault Protection (GFPD-150V)



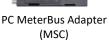
Remote Temperature Sensor (RTS)



Ethernet MeterBus Converter (EMC-1)



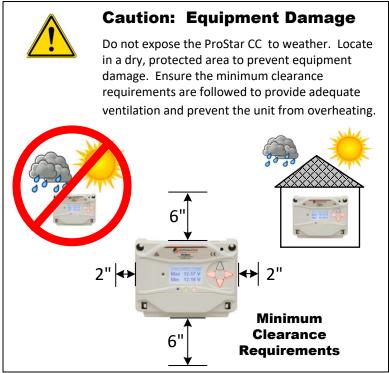
Adapter (UMC-1)

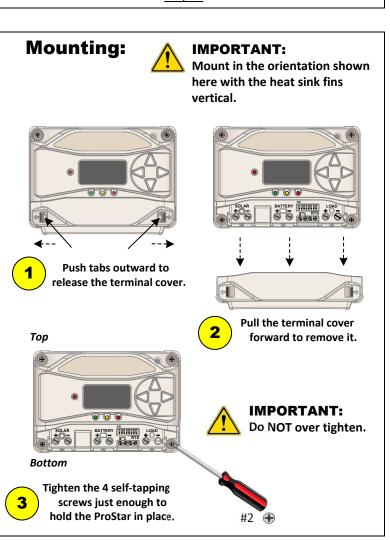


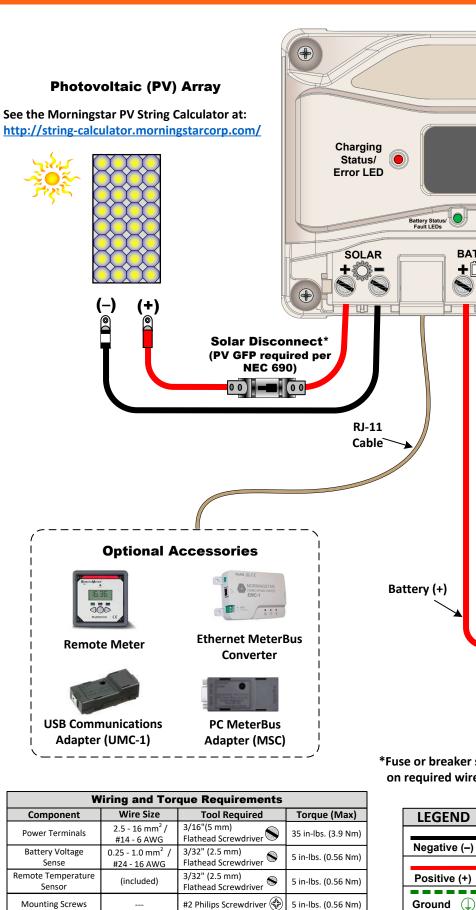
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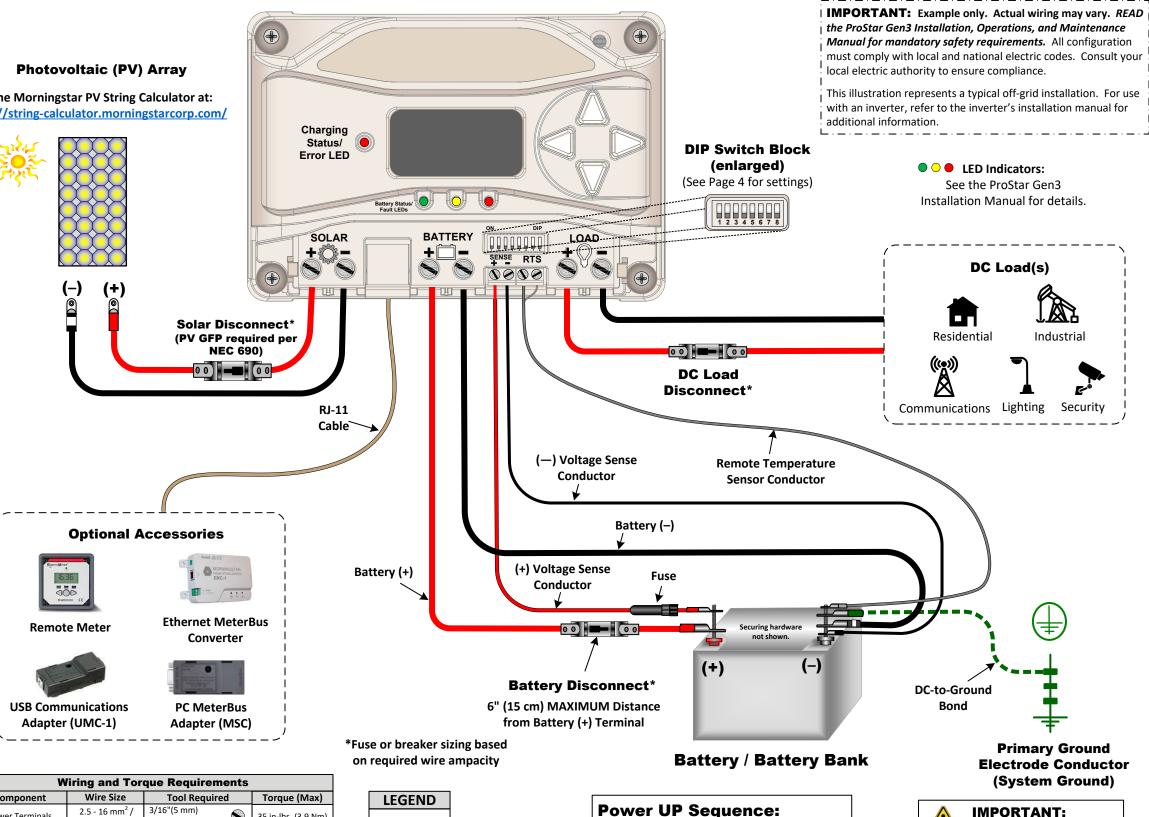
ProStar Gen3 Charge Controller

Quick Start Guide









Power DOWN Sequence: 1. Disconnect Solar. 2. Disconnect Battery/Battery Bank.

1. Connect Battery/Battery Bank. Ensure there is only 1 DC Negative-to-Ground 2. Connect Solar. Bond in the entire system.

IMPORTANT: