Specifications:

Specifications	PS-MPPT-25	PS-MPPT-40		
Nominal Battery Voltage	12/24 V	12/24 V		
Max. PV Open-Circuit Voltage	120 V	120 V		
Nominal Maximum Input Power	350 / 700 W	560 / 1120 W		
Maximum Battery Charging Current	25 A	40 A		
Rated Load Current	25 A	30 A		

Operational Configuration:

Switch 1: Load/Lighting

Mode	Switch 1	ON DIP	ON DIP	
Normal	OFF			
Lighting	ON	12345678	12345678	
		Normal	Lighting	

Switches 4, 5, & 6: Battery Type Selection

NOTE: The ProStar MPPT 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/.

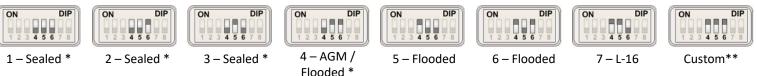
Auto

12

24

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.



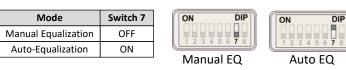
	FIOOded											
	DIP Switch Setting Battery Type		Absorption Stage	Float I Stage	Equalize Stage	Absorption Time	Equalize Time	Equalize Timeout	Equalize Interval	LVD (Volts)	LVR Volts)	
4	5	6		(Volts)	(Volts)	(Volts)	(Minutes)	(Minutes)	(Minutes)	(days)	(voits)	voitsj
OFF	OFF	OFF	1 – Sealed*	14.00	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

"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: <u>https://www.morningstarcorp.com/energy-storage-partner-program/</u>

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	60 minutes	Temperature Compensation Co-Efficient	–30 millivolts / °C / 12 Volts

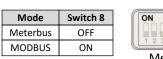
Switch 7: Battery Equalization



Contact Information:

Technical Support: Support.morningstarcorp.com Phone: 1-215-321-4457

Switch 8: Meterbus/MODBUS Settings







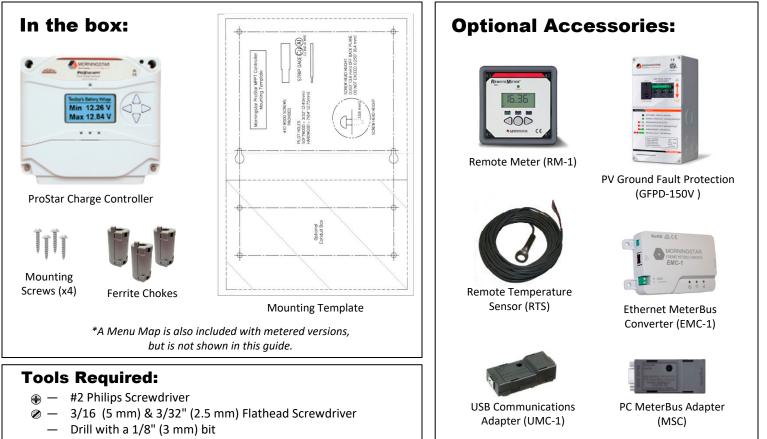






Scan QR Code to go





2345678

12 V

DIF

Warning: Shock Hazard

Test between all terminals and

ground before touching.

Power or accessory terminals are **NOT**

be energized with hazardous

123

AUTO

ON

23

24 V

solar voltage.

OFF

ON

OFF

Switches 2 & 3: System Voltage

System Voltage Switch 2 Switch 3

OFF

OFF

ON

electrically isolated from DC input and may

directly to the **ProStar MPPT Installation Manual** and warranty information online.

ProStar MPPT Solar Charging System Controller

Quick Start Guide

Safety Information:



Warning: Shock Hazard

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



Warning: Shock Hazard

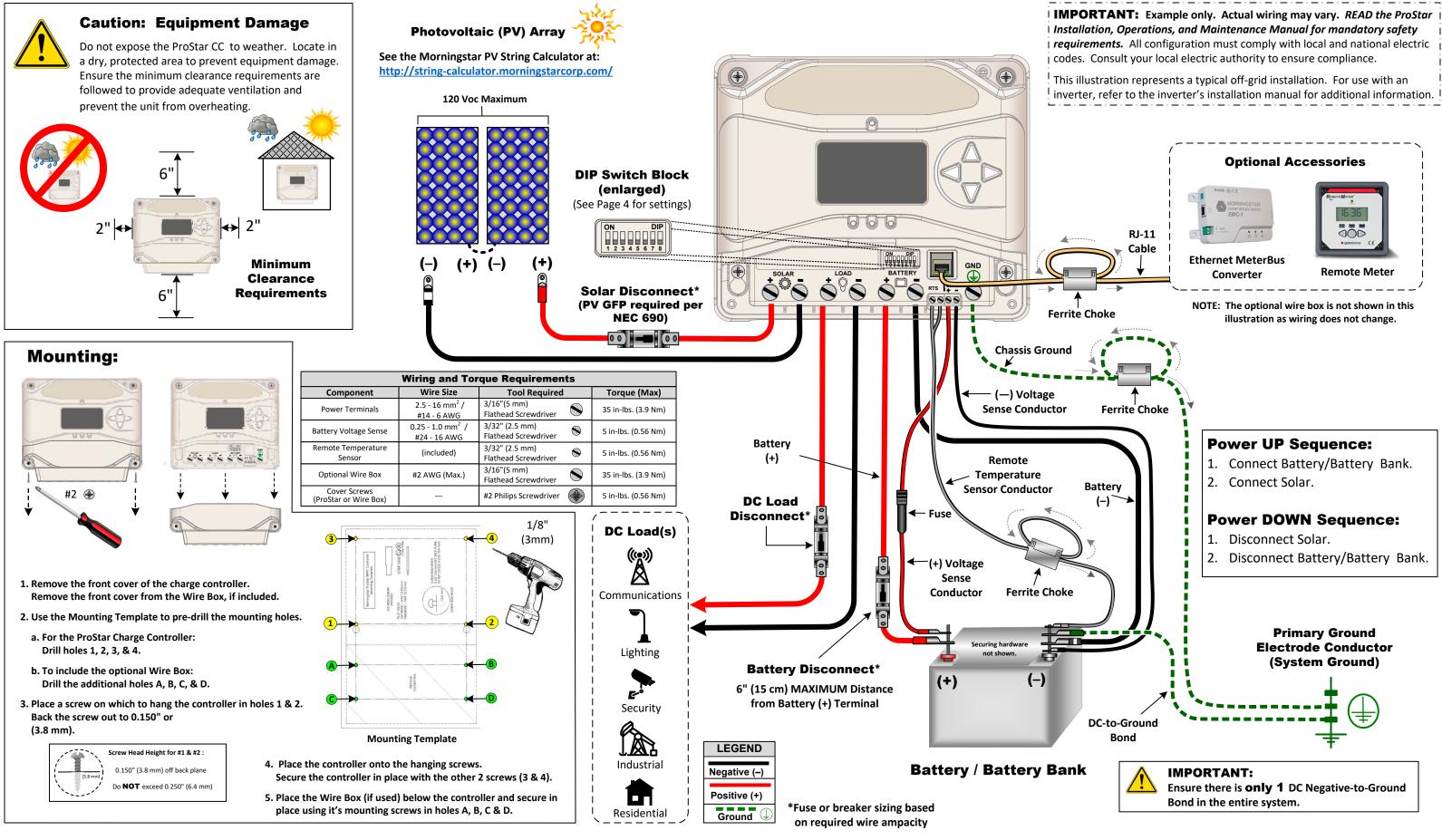
This unit is not provided with a GFDI device. This charge controller must be used with an external GFDI device as required by the Article 690 of the National Electrical Code for the installation location.



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

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

ProStar MPPT™ Charge Controller



Quick Start Guide