



ECLIPSE MPPT SOLAR SERIES

RV-C MPPT CONTROLLER PAIRED WITH EITHER RIGID OR FLEX 190W PANEL



MAXIMUM
POWER POINT
TRACKING

30AMP MPPT SOLAR CONTROLLER

Charge batteries faster and maximize your solar charging performance with the new ECLIPSE MPPT solar series. Choose from either a rigid 200-watt or 190-watt Solar Flex panel. Kits are expandable up to 3000-watts with stackable controllers.

Supercharge your solar array to 98% conversion efficiency with MPPT charging. Ideal for series configurations. Bluetooth® enabled remote allows you to view and change essential battery stats from your handheld device.

FEATURES Bluetooth® **RV-C** Compatible



CHOOSE FROM 2 PANEL OPTIONS:

RIGID 200 WATT

- Rigid black-framed 200 watt, 9.6 amp solar module
- Panel dimensions: 59.1 x 26.3 x 1.57 in
- 25-year power output panel warranty

FLEX 190 WATT

- Black SolarFlex™ 190 watt, 9.45 amp solar module with ETFE top-sheet
- Panel dimensions: 55.98 x 27.2 x 0.1 in
- 5-year power putput panel warranty

ECLIPSE SOLAR KITS INCLUDE:

- 30 amp, stackable MPPT, RV-C compatible solar controller
- Bluetooth® enabled remote
- Includes 25' MC4 cables and mounting hardware



EXPANSION PANELS

Add more power to your Eclipse base kit by adding an expansion panel. Expansions include a solar panel, mounting hardware, and MC4 branch connectors.



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*Specifications subject to change without notice.

ITEM	PARAMETERS				
System Voltage	12/24V				
No-load Loss	8ma				
Max PV Input Voltage	<100V				
Rated Current Charge	30A				
Max PV Input Power	600W/12V;1200W/24V				
Battery Type Selection	GEL	AGM	FLOODED	LiFePO4	Custom
Equalize Charge Voltage	-	-	14.9V/29.8V	-	8.32V
Bulk-Absorption Voltage	14.1V/28.2V		14.4V/28.8V		8.32V
Float Charge Voltage		13.7V/27.4V		14.0V/28.0V	8.32V
Recharge Voltage		13.2V/26.4V			8.32V
Over-Discharge Return Voltage		12.8V/25.2V		12.2V/24.4V	8.32V
Under-Voltage Warning Level		12.0V/24.0V			8.32V
Over-Discharge Voltage		11.0V/22.0V			8.32V
Operation Temperature	-35°C ~ +45°C				
Dimensions	3.37 x 7.77 x 5.71 in (85.6 x 197.5 x 145 mm)				
Weight	3.14lb (1.42kg)				
IP Protection	IP30				
Communication	RS485, Canbus				
Operation Altitude	< 3000M				
Warranty	5-years				

190W RIGID PANEL SPECIFICATIONS

Rated power (Pm)	200W
Maximum power voltage (Vmp)	20.4V
Maximum power current (Imp)	9.6A
Open circuit voltage (Voc)	24.09V
Short circuit current (Isc)	9.98A
Power coefficient	-0.39% / °C
Voltage coefficient	-0.31% / °C
Current coefficient	0.045% / °C
Max power tolerance	+/- 5W
Cell type	Monocrystalline
Solar cell efficiency	21%
Series fuse rating	15A
Maximum system voltage	600VDC (UL / IEC)
Weight	26.4 lb (12 kg)
Dimensions	59.1 x 26.3 x 1.58 in 1500 x 668 x 40 mm
Materials	Black anodized aluminum frame; tempered glass
Warranty (Power Output)	25 years

Power Specifications calculated at STC:

- Irradiance: 1000 W/m²
- Cell Temperature: 77 °F (25 °C)
- Air Mass: 1.5

190W FLEX PANEL SPECIFICATIONS

Rated power (Pm)	190W
Maximum power voltage (Vmp)	20.1V
Maximum power current (Imp)	9.45A
Open circuit voltage (Voc)	23.4V
Short circuit current (Isc)	10.72A
Power coefficient	-0.38% / °C
Voltage coefficient	-60.8mV / °C
Current coefficient	2.2mA / °C
Max power tolerance	+/- 5%
Cell type	Monocrystalline
Solar cell efficiency	21%
Series fuse rating	15A
Maximum system voltage	600VDC
Weight	8.3lb (3.76 kg)
Dimensions	55.98 x 27.20 x 0.1 in 1422 x 691 x 3 mm
Materials	ETFE top layer, laminated TPT backsheets, includes stainless steel grommets
Warranty (Power Output)	5 years

Power Specifications calculated at STC:

- Irradiance: 1000 W/m²
- Cell Temperature: 77 °F (25 °C)
- Air Mass: 1.5