



POWERHOUSE

Reliable Power Solutions

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Enersolis-1500W Solar MPPT Controller

The Enersolis-1500W developed by AEC can be used universally for 12, 24, 36 and 48V. Its broad DC input voltage range makes sensible system configuration possible for almost all PV modules. Thanks to the integrated MPP tracking, the charger guarantees an energy yield that is 15-30% higher than that of conventional shunt and serial charge controllers. Auto-selection four-stage (Bulk/Pulse/Float1/Float2) charge mode to reduce the charge time by a third and maximise the system's performance. What is unique about charge controllers of this power range is the high protection class, and the broad temperature range that makes worldwide use, even in harsh ambient conditions, possible. The easy installation and completely automatic customisation of the controller's settings by the SA series make its commissioning very simple.

Model	Enersolis-1500W
Input	
Rated Voltage	40-120Vdc
Current (Max.)	35A
Max. PV Array Open Circuit Voltage	150Vdc
Output	
Nominal Battery Voltage	12/24/36/48Vdc
Max. Charger / Output Current	60A
Max PV Array Power	1500W
Ripple Voltage	< +/- 1V
Max. Efficiency	95%
Charge Mode Type	Bulk/Pulse/Float1/Float2 or Bulk/Float1/Float2
Protection	
Overload	>105% shutdown and retry 5 times after 15sec.
Load Short Circuit	Output Current > 60A shutdown
Solar Cell Polarity Error Protection	Yes
Standby Power Consumption	0W
Power Consumption While Operating	3.5W
Physical Characteristics	
Dimensions (L x H x D, mm)	165 x 85 x 330
Input/Output COnnectors	Hardwired (Terminal Block)
Enclosure	IP20
Weight (kg)	3.2
Environment	
Operating Temperature	-20°C-60°C
Storage Temperature	-40°C-85°C
Altitude	0-2000m @ 60°C; 0-3000m @ 55°C
Humidity	0-100% (non condensing)
Computer Interface	
Type	RS-232

Features

- Parallel capable
- MCU controlled
- LCD display
- High efficiency
- Battery temperature compensated
- Four-stage charging



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