

Azuray™ AP250

The Azuray™ AP250 provides a fully functional solar panel maximum power point tracking (MPPT) solution. This highly reliable DC to DC converter can be installed with new or existing PV systems. The efficient MPPT algorithms increase the energy output of PV systems experiencing panel mismatch or shading. The Azuray™ AP250 is compatible with leading brand solar panels and string inverters and works with standard series panel wiring methods.



- **Solar Panel MPPT means greater energy harvest. The Azuray™ AP250 is designed to bring the most power to PV systems that are effected by panel mismatch or shading.**
- **Best in Class efficiency means greater energy output. The Azuray™ AP250's 98% efficiency results in less heat dissipation, longer life and more energy output.**
- **Designed for twenty-year life and worry free operation. The Azuray™ AP250 reliability is designed in. Its superior components are well suited for extreme temperatures and is an example of excellent manufacturing workmanship.**
- **Easy mounting options provide greater flexibility for a variety of system configurations. The Azuray™ AP250 has installation options for both the solar panel and racking. The NEMA 4 rated enclosure will keep the electronics safe from environmental damage.**

Greater Energy Harvest

Maximum Power Point Tracking on the solar panel means that the PV system is operating at its peak performance. The Azuray™ AP250 finds the maximum power point for each solar panel and ensures that the string inverter is working at its peak levels. The patented algorithms in the Azuray™ AP250 match the output from each solar panel to the best operating point for the string inverter.

Best in Class Efficiency

The efficiency of the Azuray™ AP250 has been tested at 98% peak efficiency and 97.6% CEC efficiency. Attention to engineering excellence and solar panel interaction achieves this superior level of operation. By understanding the interactions between all components in the PV system the Azuray™ AP250 achieves this level of efficiency.

Built In Reliability

Designed for twenty-year life and worry free operation, the Azuray™ AP250 has reliability designed in. Its superior components are well suited for extreme temperatures and is an example of excellent manufacturing workmanship.

Contact us today for more info: sales@azuraytech.com or 503.783.0747 voice

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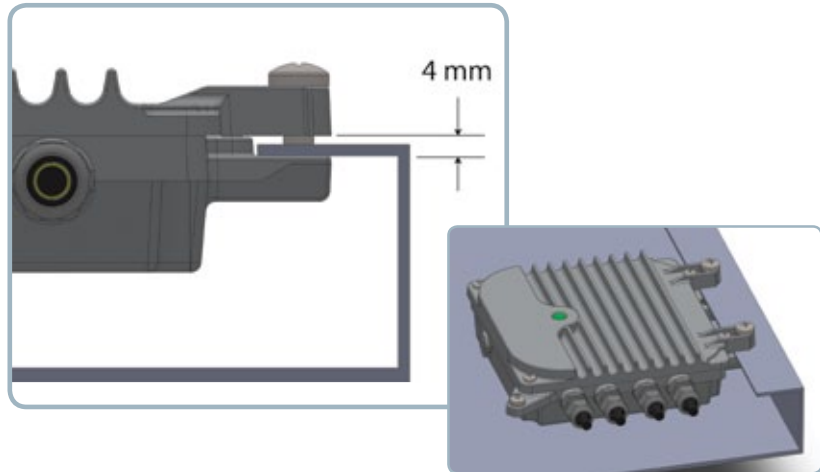
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Azuray™ AP250 Installation

Time Saving and Convenient

The Azuray™ AP250 is designed to mount to both the frame of the solar panel or the racking system. The secure mounting system is compatible with most solar panels. The Azuray™ AP250 is designed to sit above the solar panel backplane. No special tools are required to attach the Azuray™ AP250 and no drilling into the solar panel frame is necessary.



Specifications

		Min	Typ	Max	Units
Input Specifications	Panel Voltage (Vpv)	20		80	Volts
	Panel Current		8	10	Amps
	Input Power			250	Watts
Output Specifications	Output Voltage			Vpv	Volts
	Output Current			14	Amps
Other Specifications	Efficiency		98		%
	Ambient Operating Temp	-40	25	65	C°
Mechanical Specifications	Dimensions	136 x 136 x 40			mm
	Weight	970			gr
	Enclosure	NEMA 4			
Qualifications	ETL Recognized: UL1741 • CSA22.2C107.1 • IEC 62103				
	CE MARK				
	FCC: FCC Part 15–Class B				

About Azuray Technologies, Inc

Azuray Technologies, Inc was formed in 2008 and is located near Portland, Oregon. Azuray Technologies specializes in solar power electronics and is dedicated to developing products that bring new technologies to solar energy production.

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