

Power optimizer HoneyBee 400 Datasheet



Description

Ensure each solar module performs at its Maximum Power Point. Functions with maximum conversion efficiency, module level monitoring, data acquisition, wireless communication and safety management. Applicable for both on-grid and off-grid solar systems with different scales.

Features

1. Module level Maximum Power Point Tracking (MPPT), 5-25% more power yield.
2. Monitoring each PV panel's performance in realtime, early warning and alert.
3. Secure solar system, remote shutdown, elimination of high voltage danger.
4. Module added-on, compatible with third party inverters, available for new or existing solar systems.
5. Very flexible and 25 years lifespan, perfectly matching most solar modules.

Specifications

Input	Max. Input Power	450 W
	Max. Input Voltage	75 V
	Max. Input Current	13 A
	Minimum MPPT Voltage	12 V
	Night Power Consumption	0 W
Output	Output power	0 – 450 W
	Output Voltage	0 – 60 V DC
	Communication	Wireless
Efficiency	Max. System Voltage	1500 V
	Max. Output Current	13 A
	Max. Efficiency	99,60%
Installation Specification	Size	130,3 x 109,6 x 25 mm
	Weight	588 g
	Input Connector Type	MC4
	Output Connector Type	MC4
	Working Temperature	-40 – +85 °C
Standard Compliance	Inbreaking Protection	IP67
	Relative Humidity	0 – 100%
	EMC	IEC61000-6-2, IEC61000-6-3
	Safety Regulations	IEC62109-1 (Class II safety)
	Overvoltage Category	III
	Certificate	CE