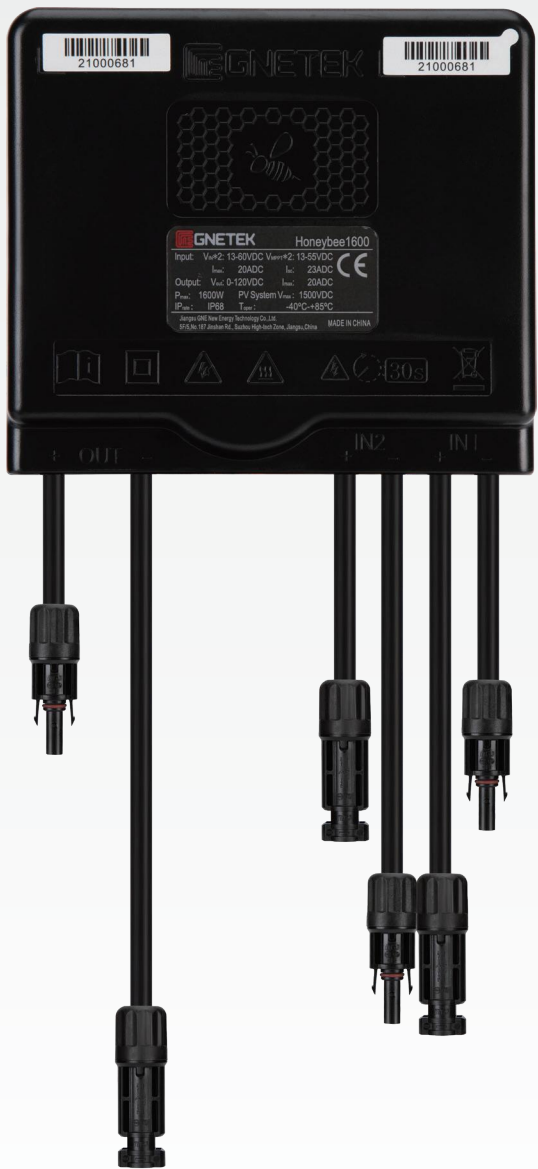


Honeybee1600

Dual Power Optimizer



Functions & Features

- Increase Efficiency:** Module-level MPPT tracking to increase system power generation by 5–30%
- Safe and Reliable:** Functions with over-voltage, over-current, and over temperature protection, module level shutdown with one click to eliminate the danger of high voltage
- Precise Positioning:** Real-time monitoring of each module and the entire station, timely failure detection and accurate positioning
- Convenient Installation:** It can be directly connected to the existing PV power system without changing the original line
- Ultra-long Life:** 25-year lifespan, match PV modules

Model		Honeybee1600
Input		
Support Modules		2
Max. Input Power		800 W/800 W
Max. Input Voltage		60 VDC/60 VDC
Operating Voltage Range		13~60 VDC/13~60 VDC
MPPT Voltage Range		13~55 VDC/13~55 VDC
Isc		23 A/23 A
Max. Input Current		20 A/20 A
Output		
Max. Output Power		1600 W
Voltage Range		0~120 VDC
Max. Output Current		20 A
Max. Efficiency		99.50%
Others		
Max. System Voltage		1500 VDC
Operating Temperature Range		−40~+85 °C
Relative Humidity		0~100%
Ingress Protection		IP68
Protective Class		II
Communication		2.4G/PLC/HPLC
Installation Sprcification		
Cable length (Input/Output)		Input 1: In1– 300 mm / In1+ 1300 mm Input 2: In2– 1300 mm / In2+ 300 mm Output: Out– 2800 mm / Out+ 200 mm
Size		128x113x25 mm
Weight		970 g
Connector (Input/Output)		Compatible with Staubli MC4 or Customizable
Standard / Certification		
CE		IEC/EN 62109-1:2010
EMC		EN 301 489-1;EN 301 489-3; EN/IEC 61000-6-1;EN/IEC 61000-6-3
RoHS		2011/65/EU ; (EU) 2015/863
REACH		REACH (EC) No 1907/2006 Compliant
WEEE		2012/19/EU ; EN 50419:2022

※The working status of PLC optimizers can be customized (Default on or off)