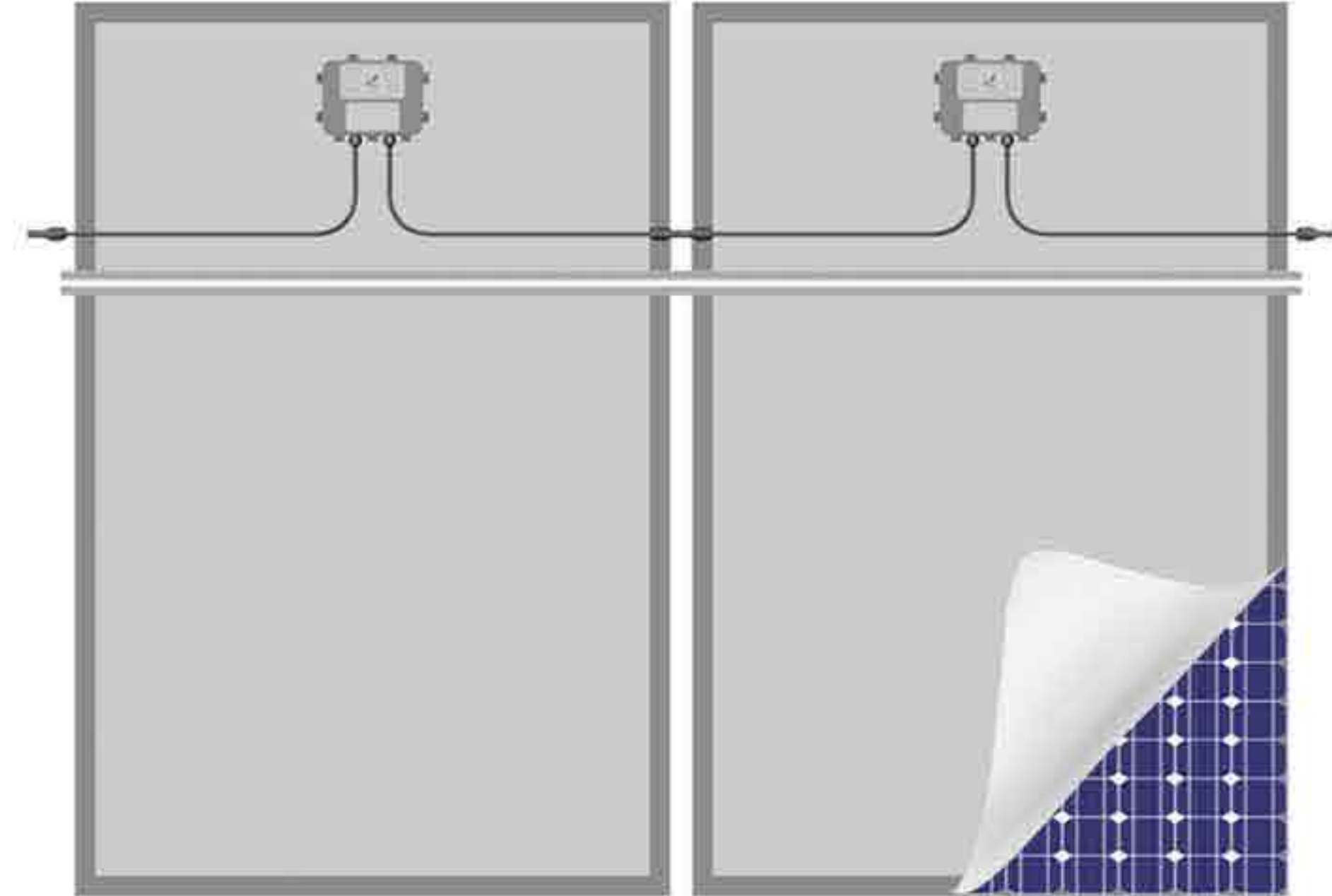
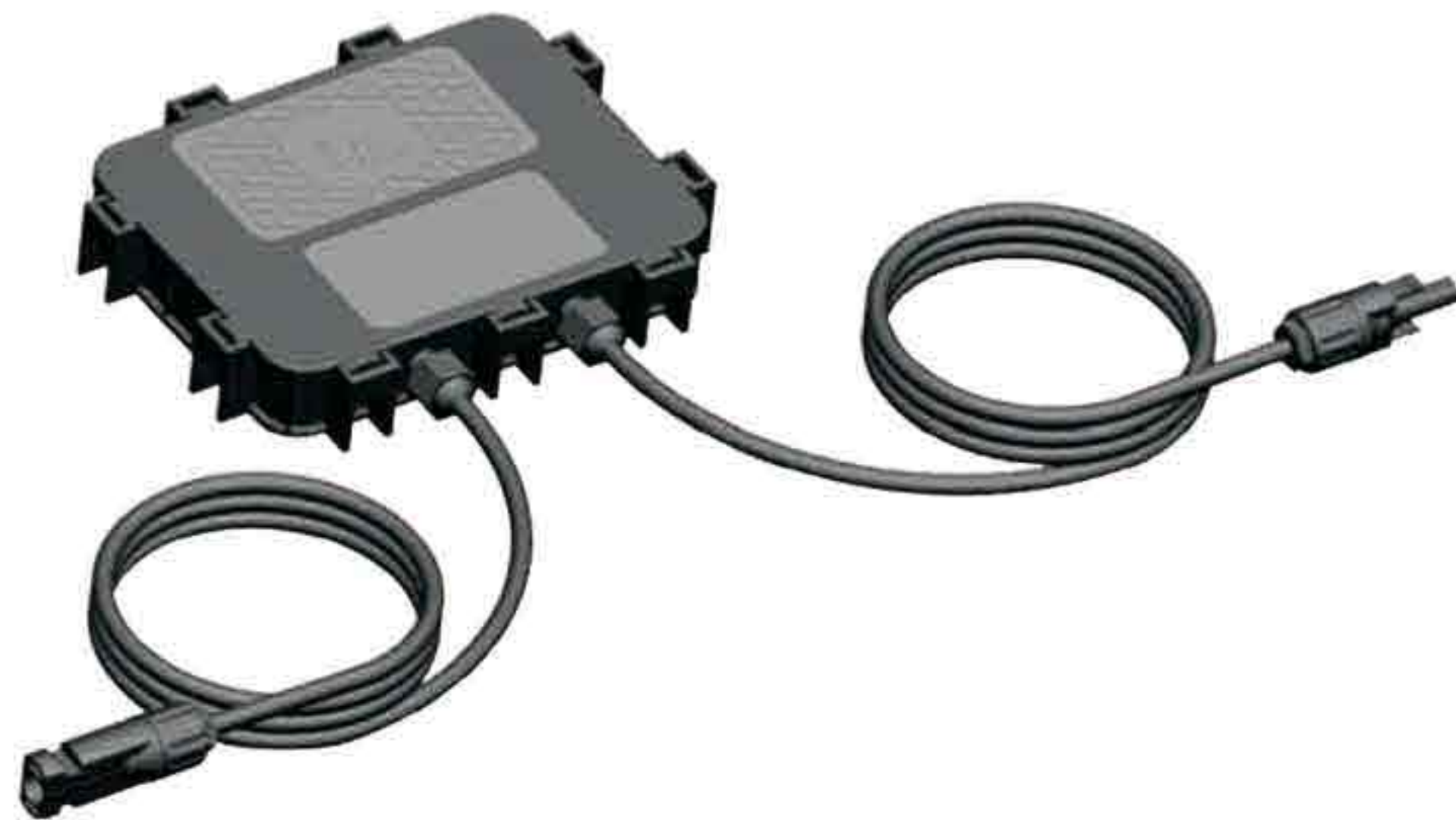


Integrated Cell-string power optimizer Smartbee600S



Product Picture



Product features

- ⚙ Module level Maximum Power Point Tracking(MPPT), 5-25% more power yield.
- ⚙ Real-time panel monitoring, timely warning and positioning the problem.
- ⚙ Secure solar system, remote shutdown, elimination of high voltage danger.
- ⚙ Flexible system design for maximum space utilization.
- ⚙ 25 years lifespan, perfectly matching solar modules.

Technical Data

Product Code	Smartbee600S
TECHNICAL DATA	
Max Output Power	600 W
Cell-string MPPT Voltage Range	7 V ~ 20 V
PV Module MPPT Voltage Range	16 V ~ 60 V
Max Output Current	15 A
Output Voltage Range	0 V ~ 60 V
System Voltage	1000 V / 1500 V
EFFICIENCY	
Max Conversion Efficiency	98.2%
INSTALLATION SPECIFICATION	
Size	148.6 x 127.6 x 27mm
Weight	580 g
Output Connector	Compatible with MC4
Working Temperature	-40 ~ 85 °C
Ingress Protection	IP68
Relative Humidity	0~100%
STANDARD COMPLIANCE	
EMC	IEC61000-6-2 , IEC61000-6-3
Safety Regulations	IEC62109-1 (Class II safety)
Overvoltage Category	III

PV Module Level Optimization & Monitoring Solution (Integrated Optimizer, Wireless Communication)

Case :

300KW PV Station: 760pcs 390W Panels, 38 Strings

760pcs Smartbee600S + 4pcs Swarm + 1pcs Beehive

Notes:

* 300KW may require multiple inverters, this installation diagram takes a single inverter as an example

