

Smartbee600/Smartbee600S

Integrated Power Optimizer



Product Features



- ⊗ Module level Maximum Power Point Tracking (MPPT), 5~25% more power yield
- ⊗ Real-time module level monitoring, timely warning and positioning the problem
- ⊗ Secure solar system, remote shutdown, elimination of high voltage danger
- ⊗ Simplify the design scheme of the power station and make full use of the roof or floor area
- ⊗ Flexible system design for maximum space utilization
- ⊗ 25 years lifespan, perfectly matching solar modules

Product Code		Smartbee600
INPUT		
Max Output Power		600 W
Max Output Current		15 A
Output Voltage Range		0 V~ 75 V
MPPT Voltage Range		12 V ~ 75 V
System Voltage		1000 V/1500 V
EFFICIENCY		
Max Conversion Efficiency		99.60%
European Efficiency		98.50%
CEC Efficiency		98.30%
INSTALLATION SPECIFICATION		
Size		152 x 133 x 25.9 mm
Weight		540g
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
Product Code		Smartbee600S
INPUT		
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		99.5%
European Efficiency		98.3%
CEC Efficiency		98.2%
INSTALLATION SPECIFICATION		
Size		148.6x 127.6x 27mm
Weight		580g
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 I1 safety)
Overvoltage Category		III