

# Scoutbee1600/Scoutbee1600M

## Dual Rapid Shutdown Device



### Product Features

- ⚙️ Module-level shutdown to shut off the source high voltage of string, completely eliminating the risk of personal shock
- ⚙️ Default shutdown state to ensure safety of personnel for installation and maintenance
- ⚙️ PLC communication, no need of additional communication cable, and convenient for installation
- ⚙️ Safe and reliable, with function of output short circuit protection, no risk of high temperature for any component failure
- ⚙️ 25 years lifespan, perfectly matching solar modules

Product Code	Scoutbee1600	Scoutbee1600M	
<b>INPUT</b>			
Number Of Module	2Pcs		
	Input#1	Input#2	Input#1
Max. Input Power	800 W	800 W	800 W
Max. Input Voltage	80VDC / 80VDC		
Operating Voltage Range	12~80VDC / 12~80VDC		
Max. Input Current	20A / 20A		
<b>OUTPUT</b>			
Voltage Range	0~160VDC		
Max. Output Current	20A		
Max. Output Power	1600W		
Shutdown Voltage	1.6~2VDC		
Efficiency	>99.8%		
Default Working State	Shutdown		
ShutdownTime	15Seconds		
<b>COMMUNICATION</b>			
Rapid Shutdown	PLC (Power Line Communication)		
Real-time Monitoring	Wireless(868M/915M/2.4G)		
<b>OTHERS</b>			
Temperature range	-40 ~ +85 °C		
Relative humidity range	0~100 %		
Ingress Protection	IP68		
Protective Class	II		
<b>INSTALLATION SPECIFICATION</b>			
Max. No. of Modules per String	30Pcs		
Input Cable Length	200mm / 300mm		
Output Cable Length	1600mm		
Size	121x86x20mm		
Weight	530g		
Connector (Input/Output)	Compatible with MC4		
<b>STANDARD/ CERTIFICATION</b>			
Regulations	NEC 2017 (690.12)		
Safety	IEC/EN 62109-1:2010 the Low Voltage Directive(2014/35/EU)		
EMC	EN IEC 61000-6-2:2019 EN 61000-6-3:2007/+A1:2011 the EMC Directive(2014/30/EU)		
Certification	CE		