



PV Power Optimizer

SOLAR EFFICIENCY AND SAFETY

- ✓ Module level optimization.
- ✓ Safe shutdown Voltage.
- ✓ Over temperature Automatic Shutdown.
- ✓ Compatible with most string inverters and panels.
- ✓ Module level power generation.
- ✓ Monitoring accurately locate and troubleshoot faults.



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Model	BFS-O1B	BFS-O2B
Technical Datasheet		
MPPT Categories	BUCK	
Maximun MPPT efficiency	99.9%	
Maximun efficiency	99.6%	99.5%
Maximun Input Power	700W	1200W
Maximun Input Voltage	70V	110V
MPPT Input Voltage Range	16-70V	16-110V
MPPT Output Voltage Range	1-70V	1-110V
Maximun Input/Output Current	16A	
Cable Lengths Type	4.0mm ² (12AWG) + MC4 Connectors	
PV Input Cables Length	310mm	
PV Output Cables Length	1800mm	
PV Connectors	Staubli MC4 (Standard) / Jinko and QC connectors for option	
Signal Cable Type	2 *0.823mm ² (18AWG) + Signal Connectors	
Signal Cable Length	1800mm	
IP Protection	IP68	
Operating Temperature	-40°C to + 85°C	
Storage Temperature	-40°C to + 85°C	
Maximum Altitude	2000m	
Overvoltage Category	II	
Standard Compliance	EN 62109-1:2010, EN 61058-1:2018	
Dimension	W104.4*D36.3*H120mm	
Weight	970g	