

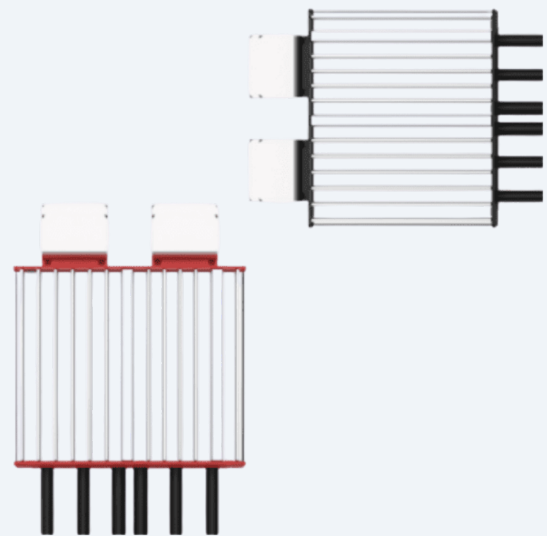
TECHNICAL DATASHEET

PV Power Optimizer

BFS-O1B/O2B // RESIDENTIAL USE // COMMERCIAL USE

Photovoltaic solar optimizer that enhances system efficiency and safety by optimizing the performance of each panel individually. Includes automatic safe shutdown in case of overheating, precise fault monitoring, and broad compatibility with photovoltaic inverters and modules. Requires installation of BFS-ESW11-K emergency switch.

- ✓ 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.



FEATURES



HIGH OUTPUT



HIGH EFFICIENCY



WEATHER RESISTANT



SUSTAINABLE ENERGY



+34 985 194 232

www.bexieenergy.comCalle Peña Santa 68, Polígono
Industrial Silvota, 33192, Llanera, Asturias

MODEL	BFS-01B	BFS-02B
EFFICIENCY		
MPPT Categories		BUCK
Max. MPPT efficiency		99.9%
Max. efficiency	99.6%	99.5%
INPUT/OUTPUT		
Max. Input Power	700W	1,200W
Max. Input Voltage	70V	110V
MPPT Input Voltage Range	16-70V	16-110V
MPPT Output Voltage Range	1-70V	1-110V
Max. Input/Output Current		16A
Cable Lengths Type	4mm ² (12AWG) + MC4 Connectors	
PV Input Cables Length	310mm	
PV Output Cables Length	1,800mm	
PV Connectors	Staubli MC4 (Standard) / Jinko and QC connectors for option	
OTHER PARAMETERS		
Signal Cable Type	2 *0.823mm ² (18AWG) + Signal Connectors	
Signal Cable Length	1,800mm	
IP Protection	IP68	
Operating Temperature	-40°C to + 85°C	
Storage Temperature	-40°C to + 85°C	
Max. Altitude	2,000m	
Overvoltage Category	II	
Standard Compliance	EN 62109-1:2010, EN 61058-1:2018	
Dimension	W104.4*D36.3*H120mm	
Weight	970g	

NOTES

The use of Bexie optimizers requires the installation of an Emergency Shutdown Switch (BFS-ESW11-K).