



Functional

- External, cost-effective DC fuse and distribution board
- For currents of between 63 A and 250 A
- Easy wall mounting

- Standardized connections with M8 tube terminal lugs
- Can be used for off-grid and on-grid applications

Flexible

- Variants available for all Sunny Islands
- Up to three Sunny Islands can be connected on the inverter side and up to six DC connections on the battery side
- Battery voltage tap for DC loads

Safe and Reliable

- All-pole battery fusing
- Easy disconnection of the inverters
- High degree of protection IP 65

BATFUSE

DC fuse for Sunny Island battery inverters

Sunny Island 3.0M / 4.4M / 6.0H / 8.0H

Increased safety for your on- or off-grid storage system: As an external DC distribution board, the BatFuse secures the Sunny Island's battery connection cables. It also ensures all-pole battery fuse protection and allows the inverters to be disconnected from voltage sources. Depending on the variant, the devices offer up to three inverter connections and up to six connections on the DC side. Additionally, the BatFuse features a battery voltage tap, which can be used for supplying external DC loads.

Technical Data	BatFuse-B.01	BatFuse-B.03
Fuse		
Type	LV/HRC size 01	LV/HRC size 01
Permissible fuse sizes/values	63 A to 250 A	63 A to 250 A
Bracket	Fuse switch-disconnector	Fuse switch-disconnector
Quantity	2	6
Electrical data		
Rated voltage	12 / 24 / 48 V	12 / 24 / 48 V
Rated current depending on fuse link	63 / 100 / 160 / 200 / 250 A	63 / 100 / 160 / 200 / 250 A
Rated current for battery voltage tap	8 A	8 A
Battery connections		
Number of connections	1	2
Tube terminal lug	M8	M8
Max. terminal lug width	25 mm	25 mm
Max. conductor cross-section	1 x 95 mm ²	2 x 95 mm ²
External diameter of cable	1 x 14 - 21 mm	2 x 14 - 21 mm
Sunny Island Charger connections		
Number of connections	2	4
Tube terminal lug	M8	M8
Max. terminal lug width	16 mm	16 mm
Max. conductor cross-section	4 x 16 mm ²	8 x 16 mm ²
External diameter of cable	4 x 9 - 16 mm	8 x 9 - 16 mm
Connections for Sunny Island		
Number of connections	1	3
Tube terminal lug	M8	M8
Max. cable cross-section	95 mm ²	95 mm ²
External diameter of cable	14 - 21 mm	14 - 21 mm
Connection for battery voltage tap		
Quantity	1	1
Max. conductor cross-section	6 mm ²	6 mm ²
Max. external diameter of cable	9 - 16 mm	9 - 16 mm
Cylindrical fuse	2 x 8 A	2 x 8 A
Mechanical data		
Dimensions (W / H / D)	250 / 375 / 150 mm	500 / 375 / 225 mm
Weight	7 kg	16 kg
Ambient conditions		
Operating temperature range	-20°C to +60°C	-20°C to +60°C
Moisture (no condensation)	100 %	100 %
General data		
Degree of protection	IP65	IP65
Certificates and approvals	www.SMA-Solar.com	www.SMA-Solar.com
Mounting	Wall-mounting	Wall-mounting
● Standard features ○ Optional features – Not available		
Type designation	BatFuse B.01	BatFuse B.03

