



SSC Series

Solar String Combiner Enclosures

Features & Specifications

Hubbell Solar String Combiner enclosures incorporate industry leading safety and design features, providing a superior solution for utility-level solar applications.

Features

- Lab tested under full load with fuses installed
- Multiple snap latches provide secure latching with locking feature
- Gasketed flange O-ring to seal out moisture
- Interlocked rotary handle style operating mechanism with lockout provision as standard
- Adjustable mounting lugs allow for multiple mounting configurations (mounting bracket available as optional selection)
- MC4 Quick Connect Connectors (Panel Mount or Whip Mount) available to provide faster installation than hard wiring
- Bottom Cable Gland location for VE+/VE- output feed to power inverter
- Surge Protective Device (SPD) offered as optional protection
- Breather Vent / Drain offered as optional weather protection
- Optional safety shield covers all live components

Materials

- **Enclosure:** Non-Metallic FRP (Fiberglass Reinforced Polyester)
- **Cover Latches:** 316 Stainless Steel
- **O-ring Gasket:** Silicone
- **Bus Bar:** Copper (>99% Cu Purity) with Tin (Sn) Coating
- **Finger Safe Shield:** Polycarbonate

Electrical Rating

- 1500VDC System Voltage
- Up to 600A Main Disconnect Switch
- Up to 22-String Input from Solar Panels
- Up to 50A Fuse Rating (using up to 80A Finger-Safe Fuse Holder)
- Optional SPD: Type 1 (10kaic) or Type 2 (10kaic)

Certifications

- UL Standard: UL1741
- Weather Rating: Type 3, 4, 4X
- Tamb: -40°C to 50°C



Catalog Number Matrix

SSC

F

15

5

12

FP

25

S2

BVDH

S

G5

E2

PM

CL-MB-T

Series of contant:

SSC

Enclosure Material:

C - Carbon Steel

F - Fiberglass

S - Stainless Steel

Voltage:

15 - 1500VDC

Disconnect Switch Rating:

4 - 400A 2-Pole Disconnect

5 - 500A 2-Pole Disconnect

6 - 600A 2-Pole Disconnect

Number of Input Circuits:

6 - 6 input circuits

7 - 7 input circuits

8 - 8 input circuits

9 - 9 input circuits

10 - 10 input circuits

11 - 11 input circuits

12 - 12 input circuits

13 - 13 input circuits

14 - 14 input circuits

15 - 15 input circuits

16 - 16 input circuits

17 - 17 input circuits

18 - 18 input circuits

19 - 19 input circuits

20 - 20 input circuits

21 - 21 input circuits

22 - 22 input circuits

Fusing Configuration:

FP - Fusing Positive Only

FPN - Fusing Positive and Negative

Fuse Amperage:

10 - 10A fuse

11 - 11A fuse

12 - 12A fuse

15 - 15A fuse

16 - 16A fuse

18 - 18A fuse

20 - 20A fuse

25 - 25A fuse

30 - 30A fuse

32 - 32A fuse

35 - 35A fuse

40 - 40A fuse

45 - 45A fuse

50 - 50A fuse

Accessories:

PF - Parallel Feed Brackets (Outgoing)

CL - Mechanical Compression Lugs (Outgoing)

SB - Shear Bolt Lugs (Outgoing)

M - Mounting Unistrut Pre-Installed

MB - Mounting Unistrut Pre-Installed with Mounting Bracket

T - Customer ID Tag / Nameplate

Input String Connector Configuration:

CG - Cable Gland Only

PM - Panel Mounted PV Connectors

W - Whip Mounted PV Connector

Blank - Blank Enclosure

Ground Wire Entry Configuration:

E1 - M16 Cable gland

E2 - M20 Cable gland

Blank - Blank Enclosure

Main Power Wire Entry Configuration:

G2 - M25 Cable gland

G3 - M32 Cable gland

G4 - M40 Cable gland

G5 - M50 Cable gland

G6 - M63 Cable gland

Blank - Blank Enclosure

Breather vent or drain:

BV - Breather Vertical

BH - Breather Horizontal

DH - Drain Horizontal

Blank - No Vent or Drain

Surge Protection:

S1 - Surge Protection - Type 1

S2 - Surge Protection - Type 2

Blank - No Surge Protection

Safety Shield Cover:

S - Shield Cover

Blank - No Shield Cover

Combined maximum circuit current (String Isc X 1.25 X number of circuits)

- Cannot exceed the disconnect ampacity rating

