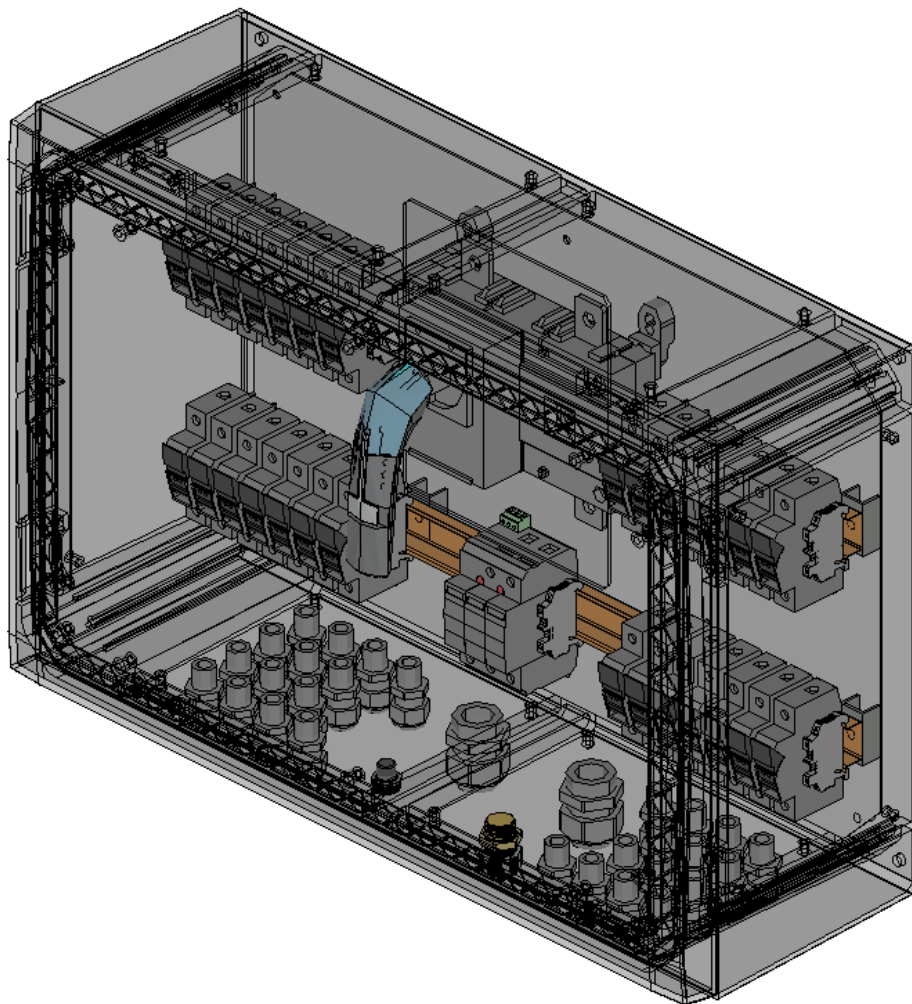


## TECHNICAL DATASHEET

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### Combiner for STP60 Converter

**SOL-SC1-14ST-0-F-T2-SD-21**

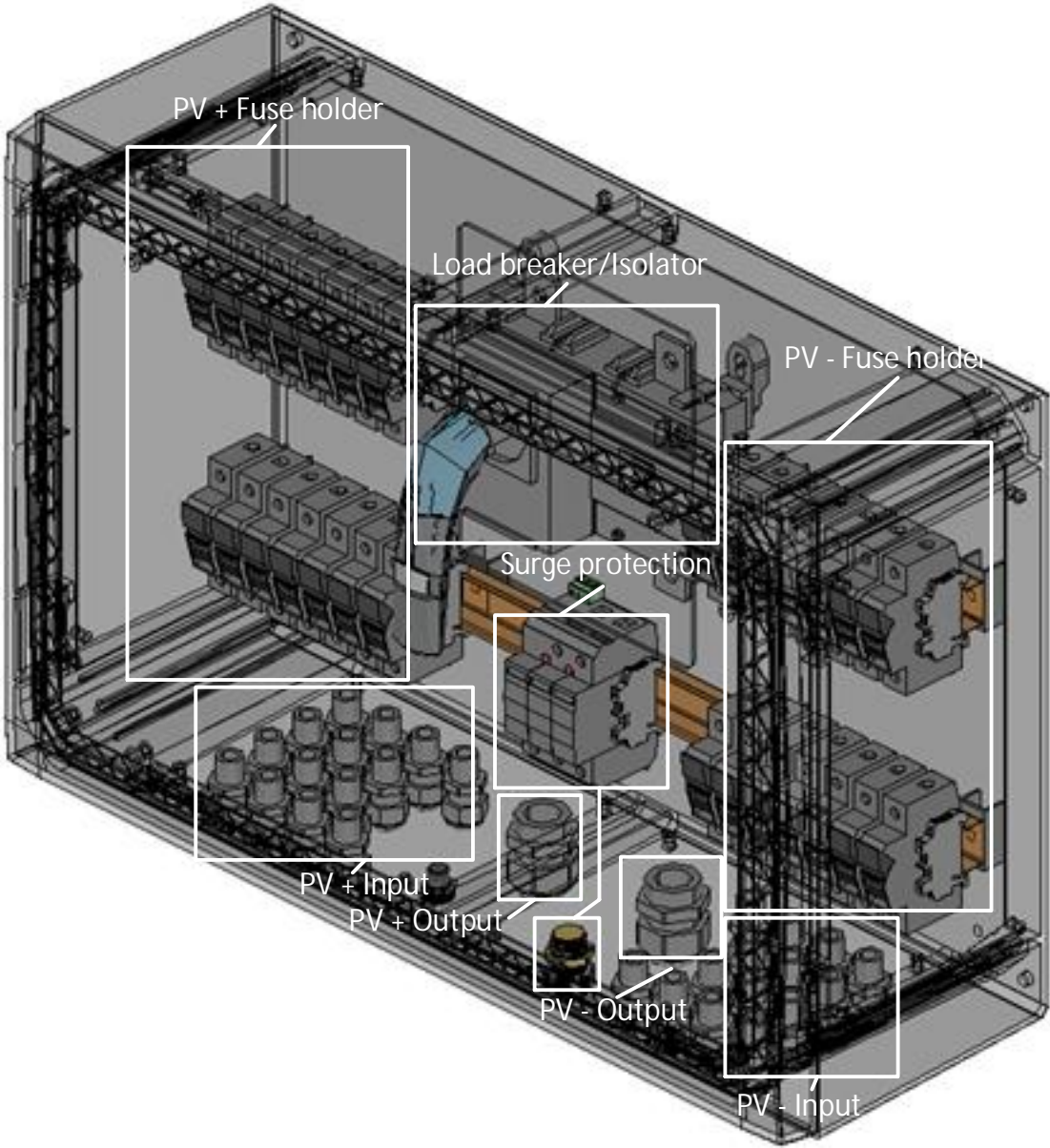


## General technical data

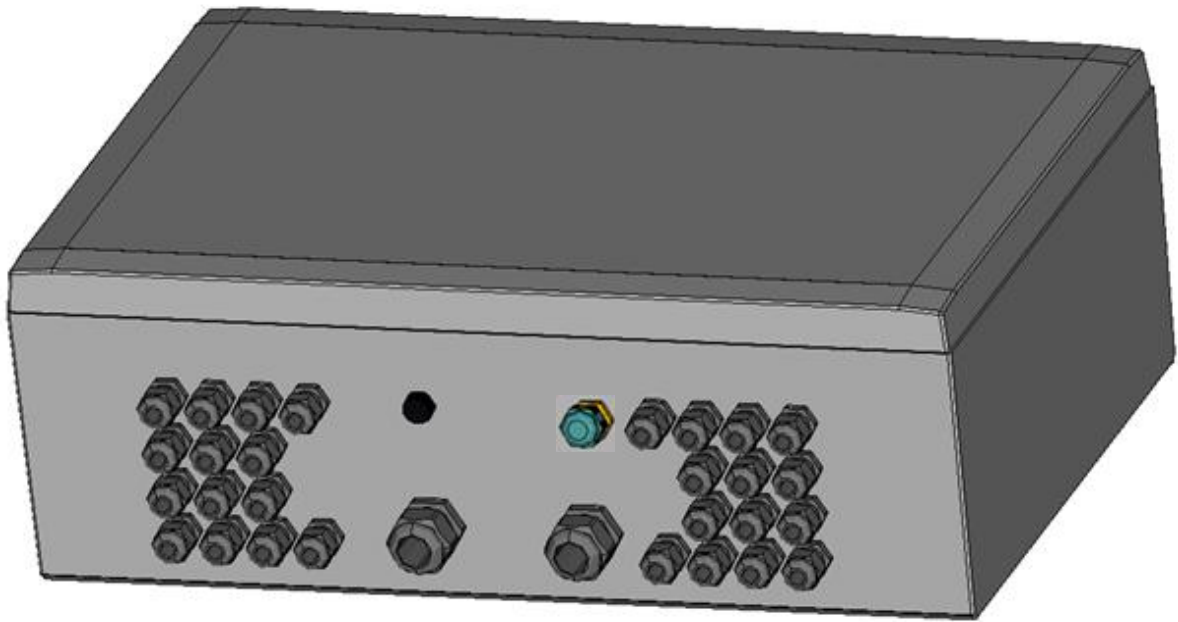
Type definition: **SOL-SC1-14ST-0-F-T2-SD-21**

- Max. continuous operating voltage  $U_{OCmax} = 1000V$  DC
- Max. current per string  $I_{MAX} = 14,25A$  (per string)
- Protection degree IP65
- Temperature range  $-20^{\circ}C...+60^{\circ}C$  (with derating above  $+45^{\circ}C$ )
- Housing material Polycarbonate
- Housing type Fibox Arca 406021
- Dimensions (WxHxD in mm) 600x400x210
- Surge protection 1x Typ 2 surge arrester  
2800627 VAL-MS 1000DC-PV/2+V-FM
  
- DC Input strings
  - o Number of strings: 14
  - o Monitoring: No string monitoring  
No voltage monitoring
  - o Fuse holders: 28 pieces
  - o Fuses: 10,3x38 Midget gPV fuses (No fuses included, must be ordered separately)
  - o String entry for "+" side: 14 pieces cable gland M16
  - o String entry for "-" side: 14 pieces cable gland M16
  - o Clamping range M16 gland: 5...10mm
  - o Conductor size inputs: 1,5mm<sup>2</sup>...16mm<sup>2</sup> (stranded conductor with ferrule)  
1,5mm<sup>2</sup>...25mm<sup>2</sup> (solid conductor)
  
- DC output
  - o DC output for "+" side: 1 pieces cable gland M32
  - o DC output for "-" side: 1 pieces cable gland M32
  - o Clamping range M32 gland: 18...25mm
  - o Conductor size outputs: max. 120mm<sup>2</sup>(cable lug directly on DC isolator)
  - o Load breaker/Isolator 1x Socomec Sirco 26PV2025 with inside handle
  - o Nominal current: 250A
  - o Connection aluminum conductor: with AL/CU cable lug
  
- PE Connection for surge protection
  - o Cable gland: 1 pieces cable gland M20
  - o Clamping range M20 gland: 8...13mm

### Layout/Drawings



Overview



Bottom view