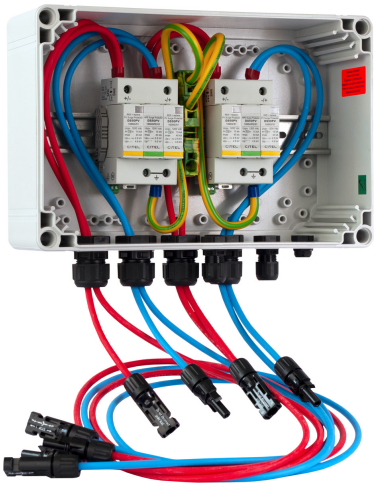
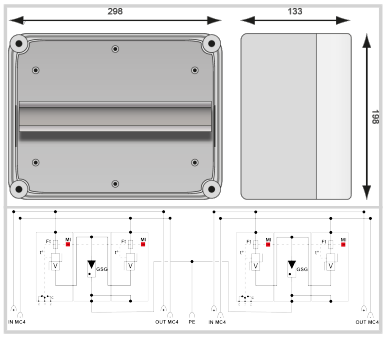
*PV-DC-Junction box*

# CiPlug2-51-1



- Generator junction box for 2 MPP tracker / 1 strings
- Integrated surge protection (DS50PVS-1000G/51, Type 2)
- Protection class IP65
- Connection via MC4-connectors




| | | |
|---|---|---|
| **Electrical Characteristics** | | |
| SPD type | IEC | 2 |
| Network | | PV network 1000 Vdc |
| Nominal DC voltage | Un-dc | 1000 Vdc |
| Max. PV operating voltage | Ucpv | 1200 Vdc |
| Rated insulation voltage *Ui* | Ui | 1000 Vdc |
| Rated current *InA* | InA | 2x 20 A |
| Rated string current | InC | 2x 20 A |
| **Mechanical Characteristics** | | |
| Housing material | | UV and ozone resistant, glass fibre reinforced polycarbonate |
| Protection rating | | IP65 |
| Dimensions | | See diagram |
| Input / per MPPT | | MC4 plug 1x 6mm² with 15cm connection cable |
| Output / per MPPT | | MC4-Stecker 1x 6mm² mit 120cm Anschlussleitung |
| Ground connection terminal | | Screw terminal 2.5-25mm² (35mm²) |
| Cable gland | | Metric / 2x M24 (Ø 6-12mm) PE |
| Housing material | | UV and ozone resistant, fiberglass reinforced polycarbonate with semi-transparent cover |
| Dimensions | | WxHxD (mm): 300 x 200 x 132 |
| Ambient temperatures | | Indoor: -5°C to max. +40°C (+35°C 24h average) / Outdoor: -25°C to max. +40°C (+35°C 24h average) |
| Humidity | | Indoor: max. 50% at +40°C, max. 90% at 20°C (non-condensing) / Outdoor: 95% for a short time at +25°C (non-condensing) |
| Protection class | | Class II |
| Impact resistance | | IK 8 |
| Pressure compensation element | | Existing |
| **Standards** | | |
| Standards compliance | | DIN EN 50539-11 / DIN EN IEC 61439-2 |
| **Part number** | | |
| **158574** | | |