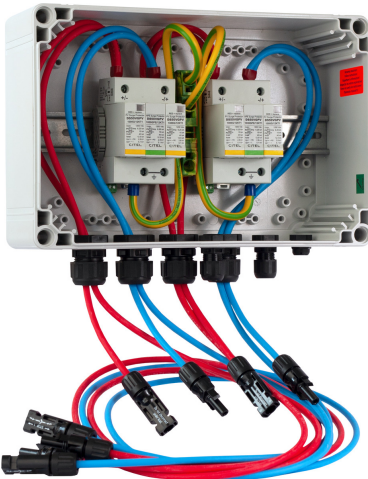




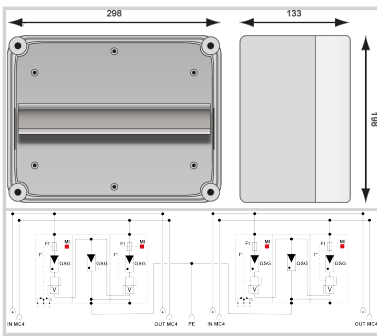
# CITEL

## PV-DC-Junction box

### CiPlug2-51VG-12



- Generator junction box for 2 MPP tracker / 1 strings
- Integrated surge protection (DS50VGPVS-1000G/12KT1, Type 1+2)
- Protection class IP65
- Connection via MC4-connectors



| Electrical Characteristics            |       |  |
|---------------------------------------|-------|--|
| SPD type                              | IEC   | 1+2  |
| Network                               |       | PV network 1000 Vdc  |
| Nominal DC voltage                    | Un-dc | 1000 Vdc   |
| Max. PV operating voltage             | Ucpv  | 1200 Vdc   |
| Rated insulation voltage<br><i>Ui</i> | Ui    | 1000 Vdc   |
| Rated current<br><i>InA</i>           | InA   | 2x 20 A  |
| Rated string current                  | InC   | 2x 20 A  |
| Mechanical Characteristics            |       |  |
| Housing material                      |       | UV and ozone resistant, glass fibre reinforced polycarbonate   |
| Dimensions                            |       | See diagram  |
| Input / per MPPT                      |       | MC4 plug 1x 6mm <sup>2</sup> with 15cm connection cable  |
| Output / per MPPT                     |       | MC4-Stecker 1x 6mm <sup>2</sup> mit 120cm Anschlussleitung   |
| Ground connection terminal            |       | Screw terminal 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> )  |
| 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 rating                     |       | IP 65  |
| 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                           |       |  |
| <b>158572</b>                         |       |  |

