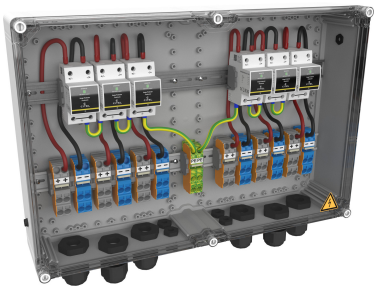
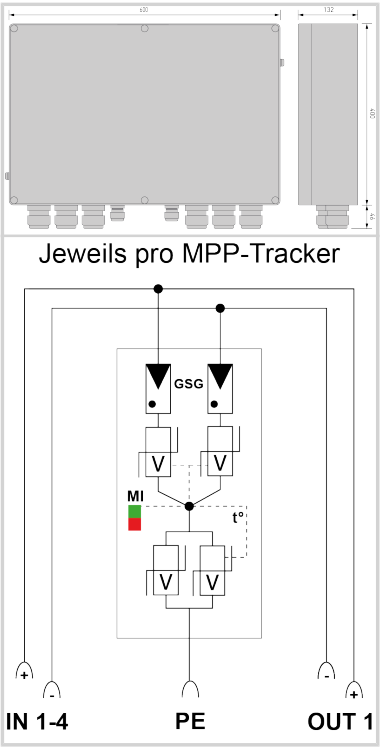
*PV-DC-Junction box*

# GAK6.K4x16.K1x16.DP40VG-1-XS



- Generator junction box for 6 MPP trackers / 4 strings
- Integrated surge protection (type 2+3 - DPVN40CVG-21Y-1200)
- Protection class IP65
- Connection via spring terminals
- Screw connections permanently installed




| Electrical Characteristics | | |
|---|---|---|
| SPD type | IEC | 2+3 |
| Network | | PV network 1000 Vdc |
| Nominal DC voltage | Un-dc | 1000 Vdc |
| Rated insulation voltage<br>*Ui* | Ui | 1000 Vdc |
| Rated current<br>*InA* | InA | 50 A |
| Rated string current | InC | 25 A |
| **Mechanical Characteristics** | | |
| Housing material | | UV and ozone resistant, glass fibre reinforced polycarbonate |
| Protection rating | | IP65 |
| Dimensions | | See diagram |
| Input / per MPPT | | Spring clamp terminals / 4x 6-16mm² |
| Output / per MPPT | | Spring terminals / 1x 6-16mm² |
| Ground connection terminal | | Screw terminal 6-35mm² |
| Cable gland | | 2x M16 (Ø 4,5-10 mm) / 2x M20 (Ø 6-13 mm) / 1x M25 (Ø 9 - 17 mm) |
| Housing material | | UV and ozone resistant, fiberglass reinforced polycarbonate with semi-transparent cover |
| Dimensions | | WxHxD (mm): 130 x 180 x 111 |
| 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** | | |
| **157607** | | |