

DC COMBINER BOX SPECIFICATION

Part Number: CB24-15ACB00434

| Product Characteristics: | |
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| • | 1034 x 822 x 327 GRP enclosure Opaque lid – [IP65 with breather/vent plug] |
| • | 24 String input |
| • | 2 x 24 15A fuses, 1000VDC, positive and negative protection (PV-15A10F) |
| • | 2 x 24 non-indicating fuse holders (CHPV1U) |
| • | PV Surge protection device (SPD) without remote signalling, T2 PV SPD (SPPVT2H-10-2-PE) |
| • | DC Switch disconnect 400A @1000Vdc with internal handle and protection screens |
| • | 24 x [IP65] MC4 Connector (Male + Female) for PV Input Strings (Pre-wired) |
| • | 2 x M40 [IP65] Glands for PV output |
| • | 2 x M16 [IP65] Gland for MODBUS Input and Output |
| • | 1 x M16 [IP65] Gland for PV ground |
| • | 1 x M16 [IP65] Gland for general ground |
| • | Shunt based monitoring: <ul style="list-style-type: none"> ○ Current monitoring of every 2 strings (16 String Monitoring Device) ○ SPD status ○ DC switch status ○ Total system voltage monitoring – 1000VDC max ○ 2-Wires MODBUS communication system ○ 1000 VDC to 24 VDC power supply (PV self powered) |
| • | Note: GRP wall mounting enclosure with lockable door. Dimension close to 1088mm*898mm*273mm. |

| IEC Standards | |
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| Combiner box complies with IEC standards: | IEC 61439-1 IEC 61439-2 |
| Components within the combiner box also comply with the following IEC standards: | |
| PV fuse holder | IEC 60269-1 |
| PV fuse link | IEC 60269-6 |
| Switch-disconnector | IEC 60947-1 IEC 60947-3 |
| SPD | IEC 61643-1 |
| Monitoring device | IEC 61724 |
| Degree of Protection of enclosures | IEC 60529, IP54 |
| To be installed in accordance with Requirements for Electrical Installations | IEC 60364-7-712 |