| | CBE M-60 | | | | | | | CBE M72 | | | | | | | CBE P-60 | | | | | | | CBE P-72 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CBE 260 | CBE 265 | CBE 270 | CBE 275 | CBE 280 | CBE 285 | CBE 290 | CBE360 | CBE365 | CBE370 | CBE375 | CBE380 | CBE385 | CBE390 | CBE270 | CBE275 | CBE280 | CBE285 | CBE290 | CBE295 | CBE300 | CBE290 | CBE295 | CBE300 | CBE305 | CBE310 | CBE315 | CBE320 |
| General characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nuber of cells | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Mono (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) | Poly (156mm X 156 mm) |
| Cell | 60 PCS (6x10) | 60 PCS (6x10) | 60 PCS (6x10) | 60 PCS (6x10) | 60 PCS (6x10) | 60 PCS (6x10) | 60 PCS (6x10) | 72 PCS (8x9) | 72 PCS (8x9) | 72 PCS (8x9) | 72 PCS (8x9) | 72 PCS (8x9) | 72 PCS (8x9) | 72 PCS (8x9) | 60 PCS (6x10) | 60 PCS (6x10) | 60 PCS (6x10) | 60 PCS (6x10) | 60 PCS (6x10) | 60 PCS (6x10) | 60 PCS (6x10) | 72 PCS (8x9) | 72 PCS (8x9) | 72 PCS (8x9) | 72 PCS (8x9) | 72 PCS (8x9) | 72 PCS (8x9) | 72 PCS (8x9) |
| Size | 1640x992x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1640x992x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1950x984x40 mm | 1950x984x40 mm |
| Weight | 17.5 kg | 17.5 kg | 17.5 kg | 17.5 kg | 17.5 kg | 17.5 kg | 17.5 kg | 22.5 kg | 22.5 kg | 22.5 kg | 22.5 kg | 22.5 kg | 22.5 kg | 22.5 kg | 17.5 kg | 17.5 kg | 17.5 kg | 17.5 kg | 17.5 kg | 17.5 kg | 17.5 kg | 22.5 kg | 22.5 kg | 22.5 kg | 22.5 kg | 22.5 kg | 22.5 kg | 22.5 kg |
| Glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass | 3.2 mm anti-reflective glass |
| Frame | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium | Anodized aluminium |
| Junction Box | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated | IP67 Rated |
| Connector | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 | MC4 |
| Length out of Frame | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm | 90 mm |
| Pressure | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow | 2400/pa pressure 5400/pa snow |
| Electrical characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated Max. Power at STC(W) | 260 | 265 | 270 | 275 | 280 | 285 | 290 | 360 | 365 | 370 | 375 | 380 | 385 | 390 | 270 | 275 | 280 | 285 | 290 | 295 | 300 | 290 | 295 | 300 | 305 | 310 | 315 | 320 |
| Max. Power Voltage (Vmp/V) | 30.71 | 30.75 | 30.81 | 30.09 | 31.02 | 31.12 | 31.56 | 38.01 | 38.19 | 38.34 | 38.52 | 38.67 | 38.79 | 38.97 | 30.88 | 31.64 | 31.96 | 32.32 | 32.59 | 32.69 | 32.82 | 35.86 | 35.98 | 36.3 | 36.61 | 36.82 | 36.98 | 37.3 |
| Max. Power Current (Imp/A) | 38.05 | 38.06 | 38.12 | 38.31 | 38.32 | 38.42 | 39.31 | 9.47 | 9.56 | 9.65 | 9.74 | 9.83 | 9.93 | 10.01 | 8.74 | 8.69 | 8.76 | 8.82 | 8.9 | 9.02 | 9.14 | 8.09 | 8.2 | 8.26 | 8.33 | 8.42 | 8.52 | 8.58 |
| Open circuit voltage (Voc/V) | 8.91 | 9.35 | 9.45 | 9.56 | 9.65 | 9.74 | 9.83 | 46.95 | 47.2 | 47.41 | 47.56 | 47.72 | 47.91 | 48.02 | 37.96 | 38.72 | 39 | 39.3 | 39.61 | 39.87 | 40.12 | 44.65 | 44.74 | 44.82 | 44.91 | 45.05 | 45.29 | 45.43 |
| Short circuit current (Isc/A) | 15.9 | 16.33 | 16.64 | 16.95 | 17.25 | 17.56 | 17.86 | 9.97 | 10.05 | 10.18 | 10.31 | 10.39 | 10.52 | 10.65 | 9.4 | 9.17 | 9.25 | 9.31 | 9.37 | 9.5 | 9.67 | 8.64 | 8.76 | 8.88 | 8.99 | 9.1 | 9.11 | 9.12 |
| Module Effiency (%) | 15.9 | 16.33 | 16.64 | 16.95 | 17.25 | 17.56 | 17.86 | 18.76 | 19.02 | 19.28 | 19.54 | 19.8 | 20.06 | 20.32 | 15.67 | 15.98 | 16.29 | 16.6 | 16.91 | 17.22 | 17.53 | 15.11 | 15.37 | 15.63 | 15.9 | 16.16 | 16.42 | 16.68 |
| Operation temperature | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C | -40°C to +85°C |
| Max. System voltage | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC | 1000 V DC |
| Max. series fuse rating | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A | 20 A |
| Power tolerance | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W | 0 to +3W |
| STC | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 | Irradiance 1000W/m2 Cell temperature 25°C, Air mass 1.5 |