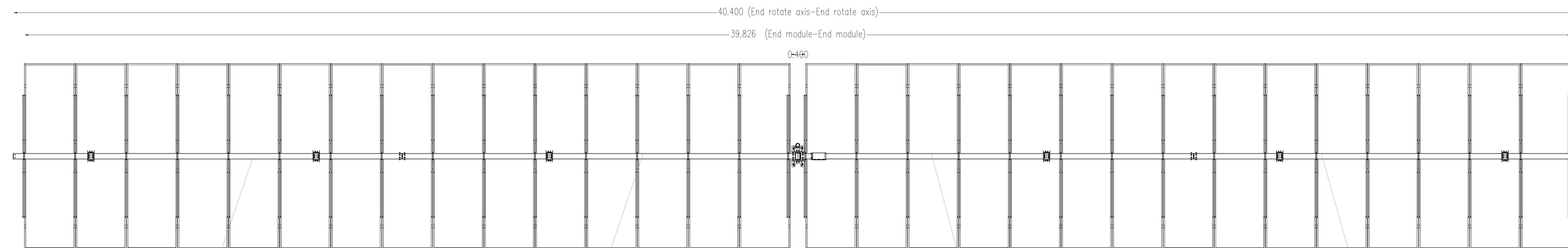


Vista Frontale  
Scala 1:50



Vista dal Basso  
Scala 1:50

150x150 L= 10000mm

150x150 L=10100mm

150x150 L=10100mm

150x150 L=10000mm

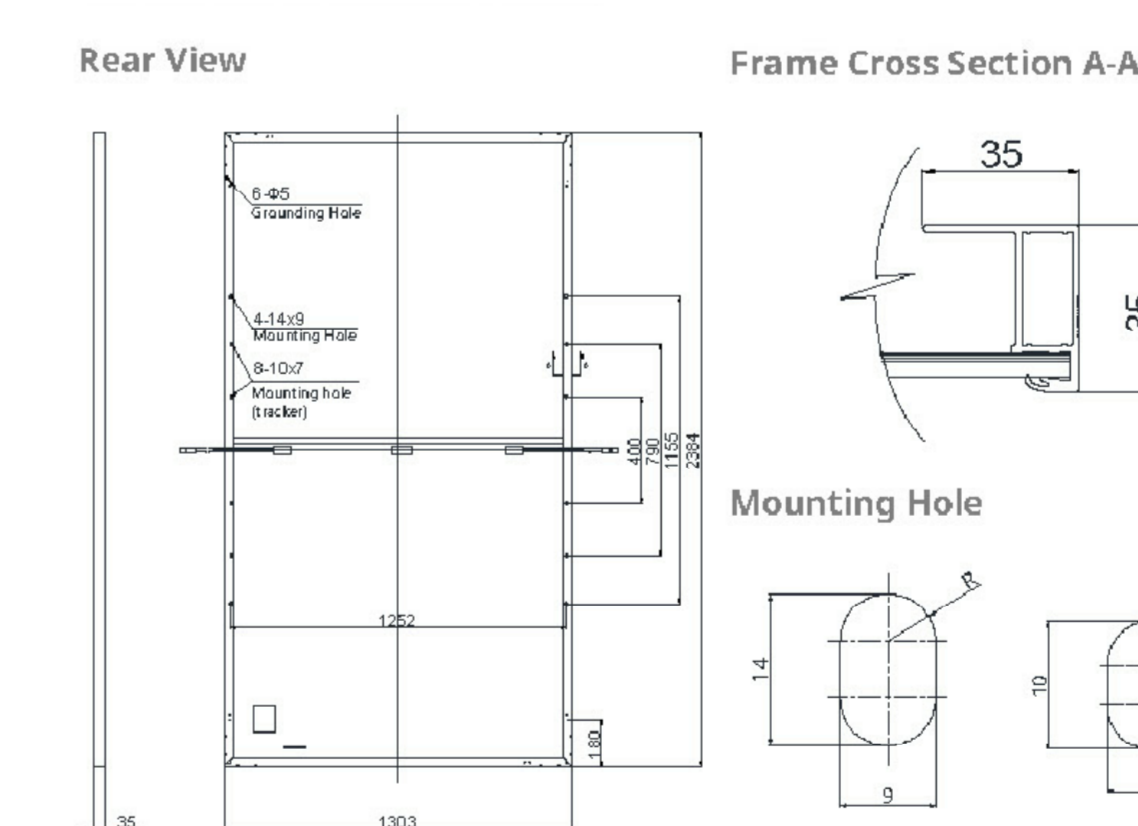


## HiKu7 Mono

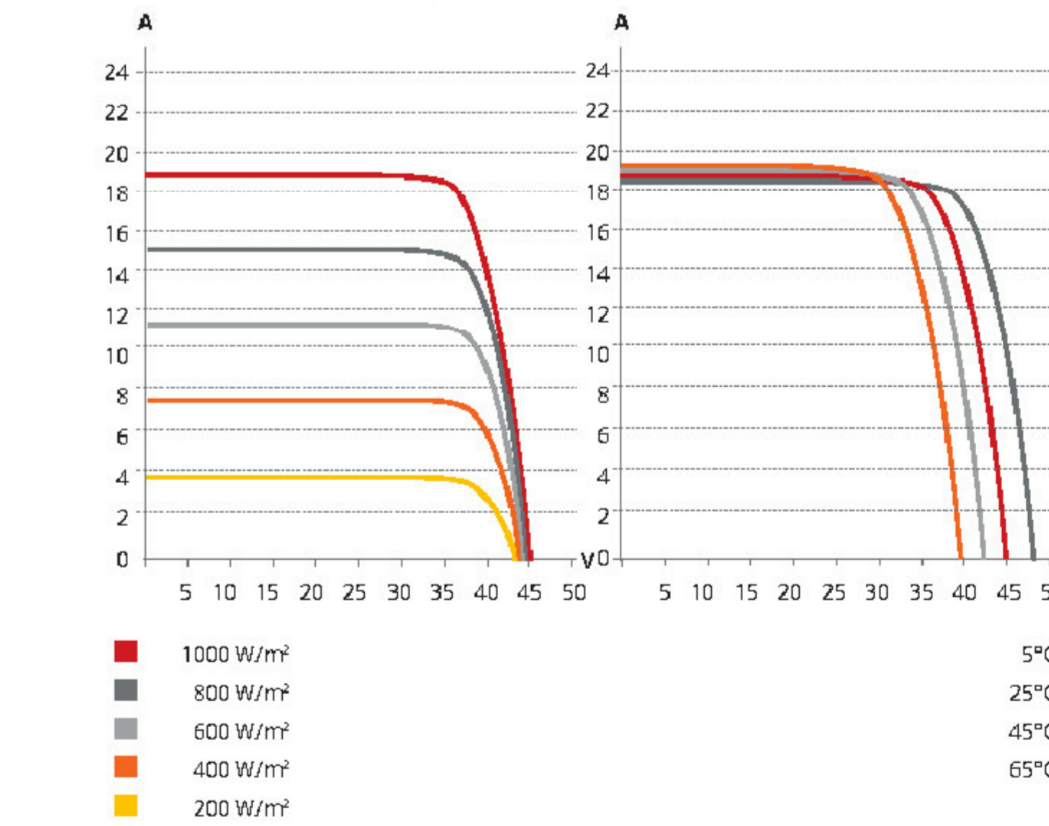
640 W ~ 665 W

CS7N-640 | 645 | 650 | 655 | 660 | 665MS

### ENGINEERING DRAWING (mm)



### CS7N-650MS / I-V CURVES



### ELECTRICAL DATA | STC\*

| CS7N                         | 640MS                      | 645MS   | 650MS   | 655MS   | 660MS   | 665MS   |
|------------------------------|----------------------------|---------|---------|---------|---------|---------|
| Nominal Max. Power (Pmax)    | 640 W                      | 645 W   | 650 W   | 655 W   | 660 W   | 665 W   |
| Opt. Operating Voltage (Vmp) | 37.5 V                     | 37.7 V  | 37.9 V  | 38.1 V  | 38.3 V  | 38.5 V  |
| Opt. Operating Current (Imp) | 17.07 A                    | 17.11 A | 17.16 A | 17.20 A | 17.24 A | 17.28 A |
| Open Circuit Voltage (Voc)   | 44.6 V                     | 44.8 V  | 45.0 V  | 45.2 V  | 45.4 V  | 45.6 V  |
| Short Circuit Current (Isc)  | 18.31 A                    | 18.35 A | 18.39 A | 18.43 A | 18.47 A | 18.51 A |
| Module Efficiency            | 20.6%                      | 20.8%   | 20.9%   | 21.1%   | 21.2%   | 21.4%   |
| Operating Temperature        | -40°C ~ +85°C              |         |         |         |         |         |
| Max. System Voltage          | 1500V (IEC) or 1000V (IEC) |         |         |         |         |         |
| Module Fire Performance      | CLASS C (IEC 61730)        |         |         |         |         |         |
| Max. Series Fuse Rating      | 30 A                       |         |         |         |         |         |
| Application Classification   | Class A                    |         |         |         |         |         |
| Power Tolerance              | 0 ~ +10 W                  |         |         |         |         |         |

### MECHANICAL DATA

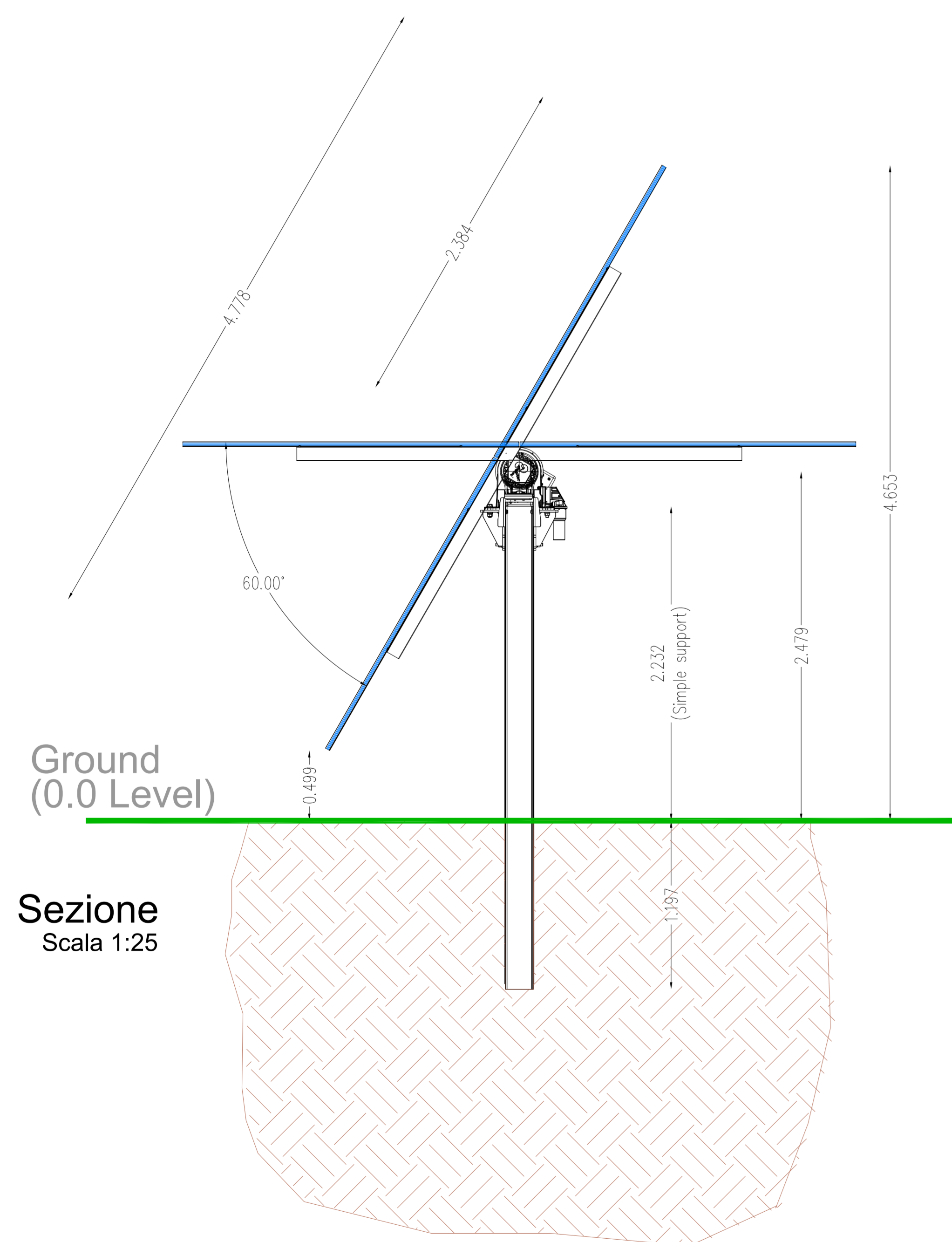
| Specification                      | Data  |
|------------------------------------|---|
| Cell Type                          | Mono-crystalline  |
| Cell Arrangement                   | 132 (2 x (11 x 6))  |
| Dimensions                         | 2384 x 1303 x 35 mm<br>(93.9 x 51.3 x 1.38 in)                    |
| Weight                             | 35.7 kg (78.7 lbs)  |
| Front Cover                        | 3.2 mm tempered glass   |
| Frame                              | Anodized aluminium alloy, crossbar enhanced                       |
| J-Box                              | IP68, 3 bypass diodes   |
| Cable                              | 4 mm <sup>2</sup> (IEC)   |
| Cable Length (Including Connector) | 460 mm (18.1 in) (+) / 340 mm (13.4 in) (-) or customized length* |
| Connector                          | T4 series or H4 UTX or MC4-EVO2                                   |
| Per Pallet                         | 30 pieces   |
| Per Container (40' HQ)             | 480 pieces  |

### ELECTRICAL DATA | NMOT\*

| CS7N                         | 640MS   | 645MS   | 650MS   | 655MS   | 660MS   | 665MS   |
|------------------------------|---------|---------|---------|---------|---------|---------|
| Nominal Max. Power (Pmax)    | 478 W   | 482 W   | 486 W   | 489 W   | 493 W   | 497 W   |
| Opt. Operating Voltage (Vmp) | 35.0 V  | 35.2 V  | 35.4 V  | 35.6 V  | 35.8 V  | 36.0 V  |
| Opt. Operating Current (Imp) | 13.66 A | 13.70 A | 13.73 A | 13.75 A | 13.78 A | 13.81 A |
| Open Circuit Voltage (Voc)   | 42.0 V  | 42.2 V  | 42.4 V  | 42.6 V  | 42.8 V  | 43.0 V  |
| Short Circuit Current (Isc)  | 14.77 A | 14.80 A | 14.84 A | 14.87 A | 14.90 A | 14.93 A |

### TEMPERATURE CHARACTERISTICS

| Specification                        | Data         |
|--------------------------------------|--------------|
| Temperature Coefficient (Pmax)       | -0.34 % / °C |
| Temperature Coefficient (Voc)        | -0.26 % / °C |
| Temperature Coefficient (Isc)        | 0.05 % / °C  |
| Nominal Module Operating Temperature | 42 ± 3°C     |



Particolare 1 ancoraggio pannello fotovoltaico  
Scala 1:10

