



REGIONE BASILICATA
PROVINCIA DI MATERA
COMUNE DI IRSINA



PROGETTO DI UN IMPIANTO SOLARE AGRIVOLTAICO DENOMINATO "AGRIVOLTAICO PIANO DEL CARRO" DA REALIZZARSI NEL COMUNE DI IRSINA (MT) NELLA CONTRADA DI "PIANO DEL CARRO" E DELLE RELATIVE OPERE DI CONNESSIONE NEL COMUNE DI OPPIDO LUCANO (PZ) CON POTENZA PARI A 19.712,16 kW_p (18.200,00 kW IN IMMISSIONE) INTEGRATO CON TECNOLOGIA STORAGE.

PROGETTO DEFINITIVO

ARCHITETTONICI PANNELLI E PARTICOLARI SISTEMI DI ANCORAGGIO



livello prog.	GOAL	tipo doc.	N° elaborato	NOME FILE	DATA	SCALA
PD				IRS_A12.b.9	04.08.2021	VARIE

REVISIONI

REV.	DATA	DESCRIZIONE	ESEGUITO	VERIFICATO	APPROVATO

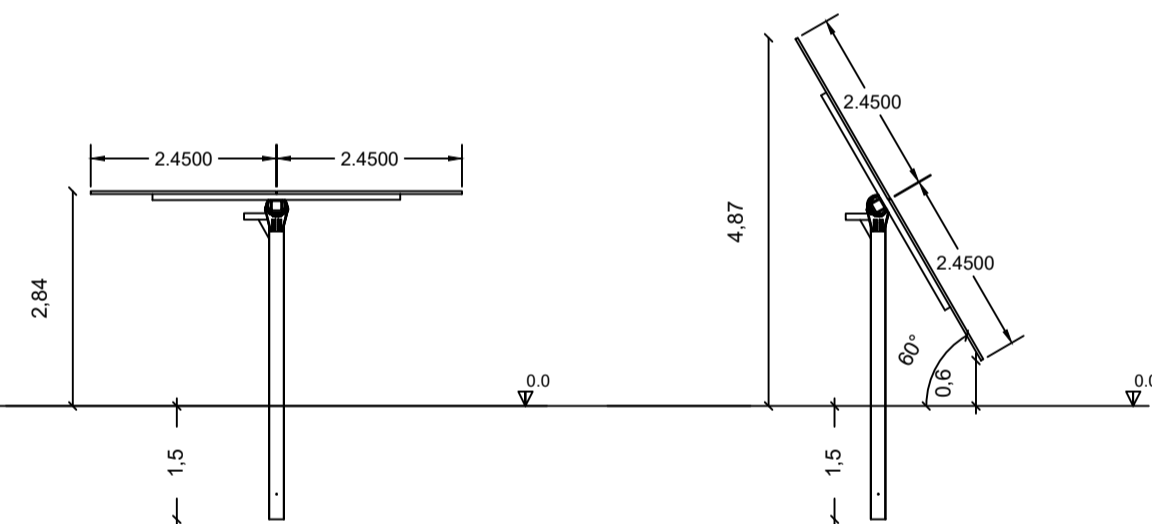
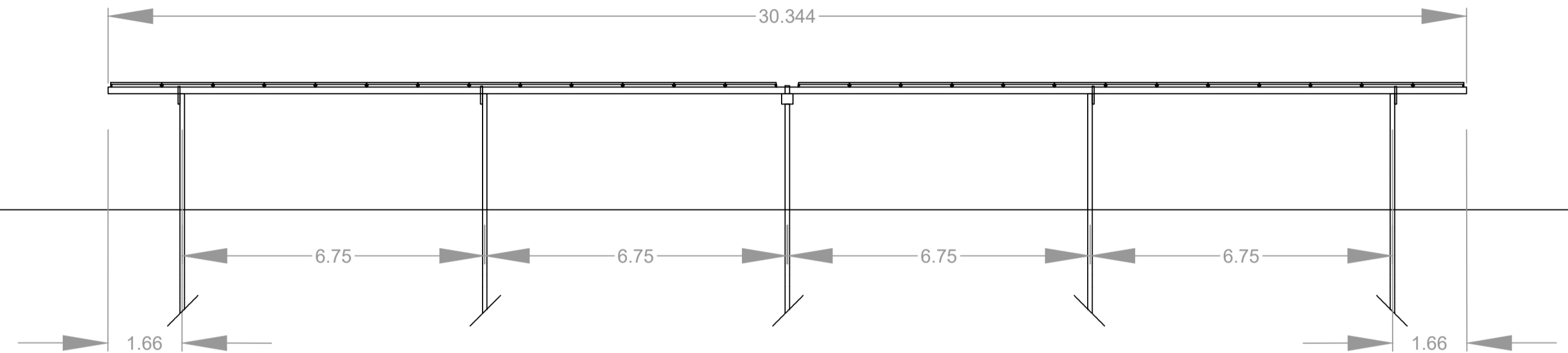
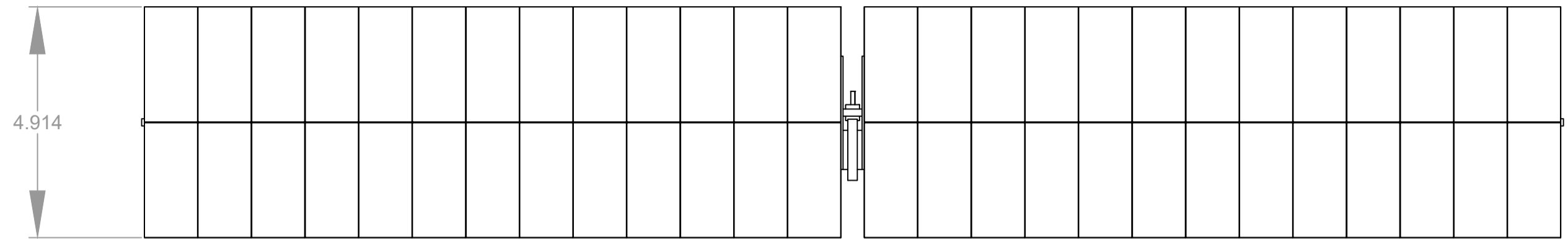


PROPONENTE:
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CF:11467120967

ENTE:

PROGETTAZIONE:
HORIZONFIRM

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profondità di infissione
indicativa

Material characteristics

Steel:
Structural steel - At least S235 JR - thicknesses and yield strengths according to structural calculation

Spherical bearings:
Bronze / Stainless steel

Screws, nuts, washer:
Basic option: Hot-Galvanized steel 8.8
Optimization option: steel 8.8 - A2k - ISO4042

Galvanizing:
- **Basic Option:**
All equipment in steel must be hot-dip galvanized, according to the UNI EN ISO 1461. After galvanizing, further processing of the elements are not permitted.

- Optimization option pre-galvanized steel:
Foundation posts and movement steel parts galvanized according UNI EN ISO 1461. Other steel parts pre-galvanized according EN10346 (Z275) or equivalent for national standard.

- Optimization option weathering steel (Corten):
Steel parts don't need any galvanization treatment, sacrificial thickness will be calculated for ISO9223 site classification for a design lifetime of 30 years

CENNI SULLE CARATTERISTICHE DEI MATERIALI E DETTAGLI DEI TRACKER CON VISTA DALL'ALTO, LONGITUDINALE E TRASVERSALE



Preliminary Technical Information Sheet

NEW

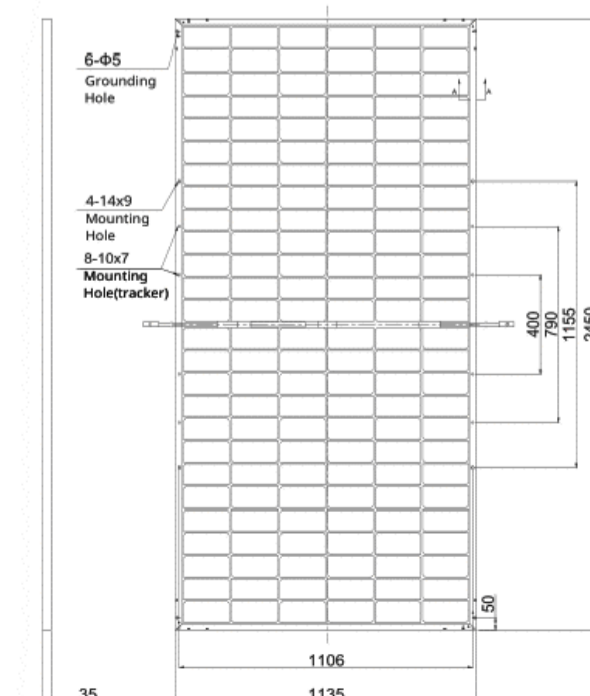
BiHiKu6
565 W ~ 585 W
BIFACIAL MONO PERC
UP TO 30% MORE POWER FROM THE BACK SIDE
CS6Y-565 | 570 | 575 | 580 | 585MB-AG

FRONT

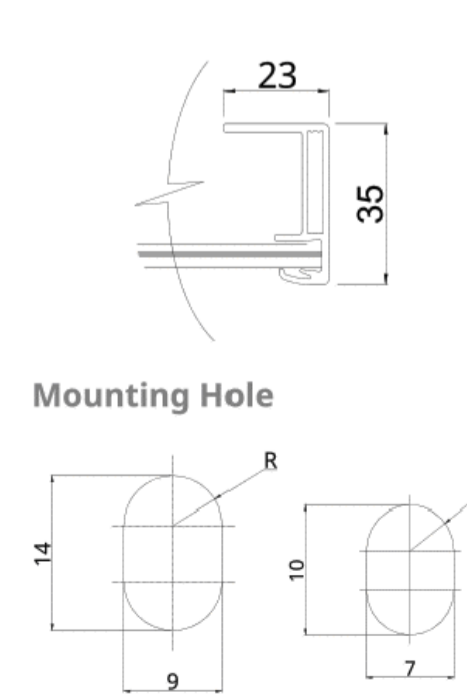
BACK

ENGINEERING DRAWING (mm)

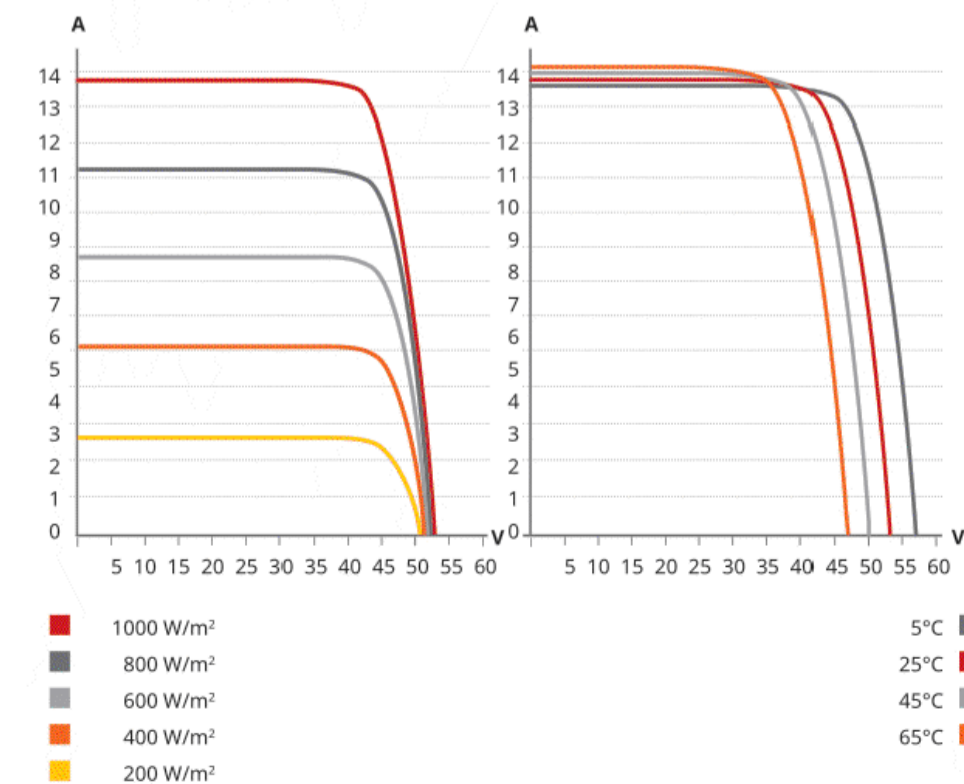
Rear View



Frame Cross Section A-A



CS6Y-570MB-AG / I-V CURVES



Solar Cells	Monocrystalline
Technology	Bifacial - PERC
Cell Type	156
Module Dimensions	2450x1135x35 mm
Weight	35.1 Kg
Glass	2.0 mm
Back Glass	2.0 mm
Frame	35 mm
Peak Power Watts-Pmax (Wp)*	585
Power Output Tolerance-Pmax (W)	0 ~ +10
Maximum Power Voltage-Vmpp (V)	44.4
Maximum Power Current-Impp (A)	13.18
Open Circuit Voltage-Voc (V)	53.4
Short Circuit Current-Isc (A)	13.92
Module Efficiency ηm (%)	21

DETTAGLI COSTRUTTIVI E CARATTERISTICHE MECCANICHE ED ELETTRICHE DEL PANNELLO