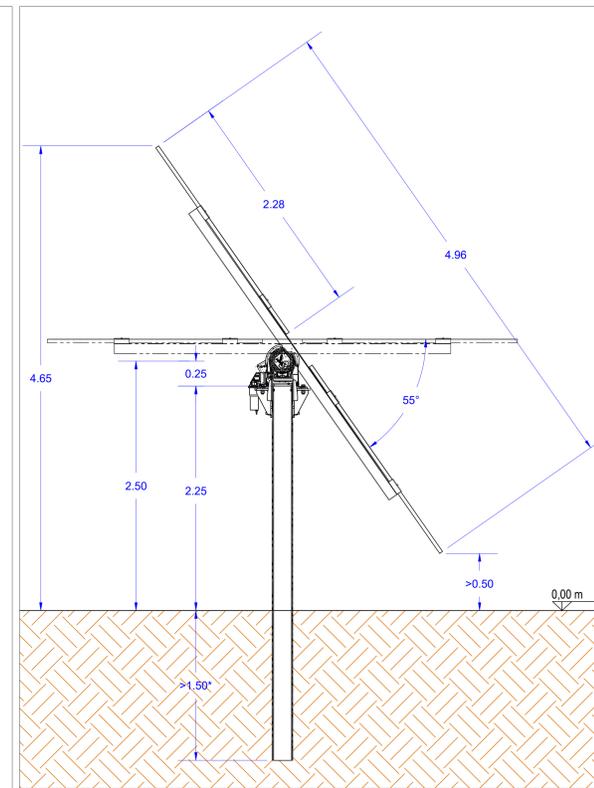


Struttura Tracker 2x14 - vista dall'alto

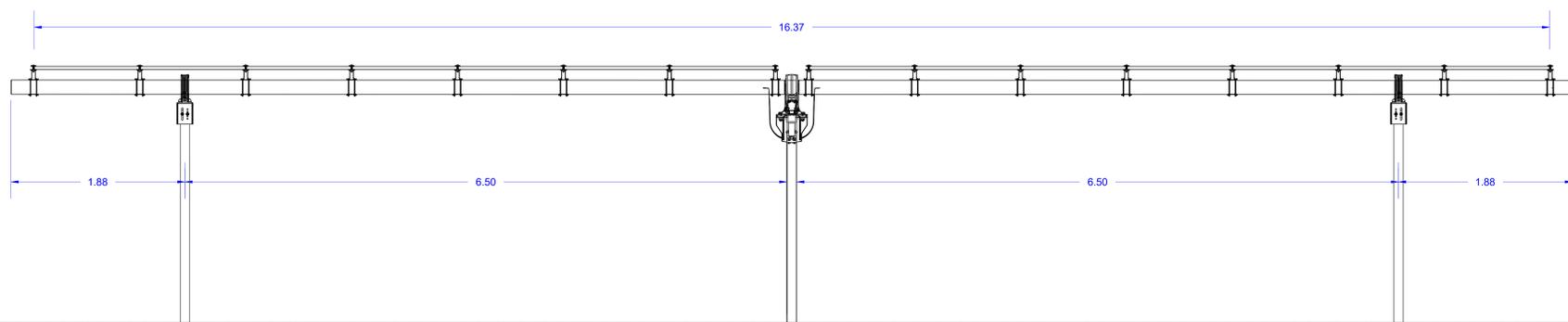
scala 1:25



\*La profondità di infissione sarà valutata nelle successive fasi progettuali a valle di studi specialistici

Struttura Tracker 2x14 - sezione AA

scala 1:25



Struttura Tracker 2x14 - vista frontale

scala 1:25

**Additional Value**

25-Year Power Warranty

**Mechanical Parameters**

Cell Orientation	144 (0°x20)
Junction Box	IP65, three diodes
Output Cable	4mm <sup>2</sup> , 400, 200mm ± 1400mm length can be customized
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	27.2kg
Dimension	2250 x 1133 x 25mm
Packaging	52pcs per pallet / 152pcs per 20' GP / 620pcs per 40' HC

**Electrical Characteristics**

Testing Condition	STC	NOCT								
Maximum Power (P <sub>max</sub> /W)	535	399.9	540	403.6	545	407.4	550	411.1	555	414.8
Open Circuit Voltage (V <sub>oc</sub> /V)	49.35	46.40	49.50	46.54	49.65	46.68	49.80	46.82	49.95	46.97
Short Circuit Current (I <sub>sc</sub> /A)	13.78	11.14	13.85	11.20	13.92	11.25	13.98	11.31	14.04	11.35
Voltage at Maximum Power (V <sub>mp</sub> /V)	41.50	38.55	41.65	38.69	41.80	38.83	41.95	38.97	42.10	39.11
Current at Maximum Power (I <sub>mp</sub> /A)	12.90	10.38	12.97	10.43	13.04	10.49	13.12	10.56	13.19	10.61
Module Efficiency(%)	20.9	21.1	21.3	21.5	21.7					

**Operating Parameters**

Operational Temperature	-40°C ~ +60°C
Power Output Tolerance	0 ~ 3%
Voc and Isc Tolerance	± 3%
Maximum System Voltage	DC 1500V (IEC 61731)
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45 ± 2°C
Protection Class	Class II
Fire Rating	UL Type I or 2 IEC Class C

**Mechanical Loading**

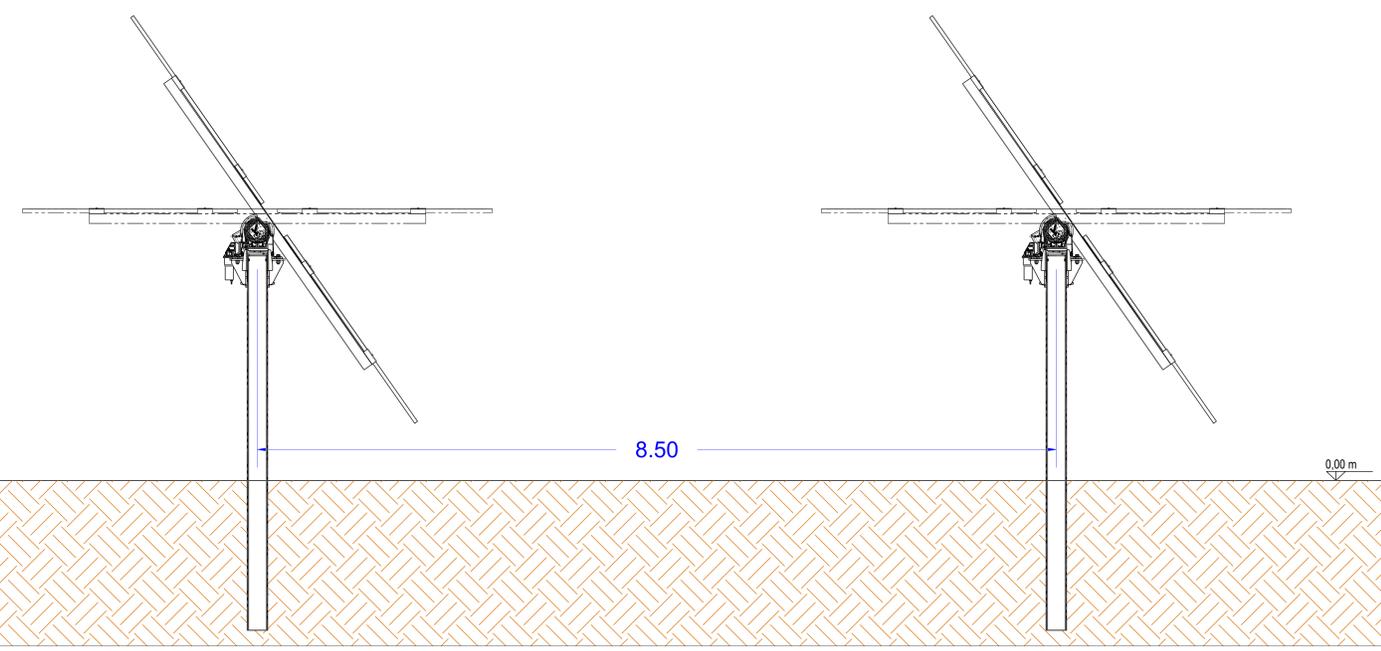
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Halibone Test	25mm Halibone at the speed of 23m/s

**Temperature Ratings (STC)**

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.260%/°C
Temperature Coefficient of P <sub>max</sub>	-0.340%/°C

**TABELLA MATERIALI**

Elemento	classe	sp. Galvanizzazione
Pilastrini	S275	70 μm
Trave	S235	70 μm
Bulloni	8,8	-



Dettaglio Pitch tra le strutture

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CC-FE	00	09/11/2022	Emissione	C. Tecnici	C. Disegno	C. Controllo	A. Lista
Stato di	Numero	Revisione	Descrizione	BFP	BFP	BFP	BFP
Autore	Disegnato	Data		Approvato	Approvato	Approvato	Approvato
Indice di Revisione				ID Documento	ID Documento	ID Documento	ID Documento
Logo Committente e Denominazione Committente	Eni New Energy S.p.A.		Progetto	BRINFV00BAD0015			
Logo Appaltatore e Denominazione Appaltatore	BFP		Progetto	Impianto Fotovoltaico Brindisi Area Esterna			
Nome d'Impianto e Oggetto	BRINDISI (BR) Fotovoltaico - Brindisi Area Esterna		Scale	Numeri di pagine			
Titolo Documento	Particolari costruttivi		Scale	1/1			