

REGIONE BASILICATA
PROVINCIA DI POTENZA
COMUNE DI VENOSA



PROGETTO DELL'IMPIANTO AGRIVOLTAICO E DELLE RELATIVE
OPERE DI CONNESSIONE DA REALIZZARE NEL
COMUNE DI VENOSA IN LOCALITÀ BOREANO
DI POTENZA PARI A 19.996,20 kW_p (19.993,87 kW IN IMMISSIONE)
DENOMINATO "AGRIVOLTAICO VENOSA BOREANO"

PROGETTO DEFINITIVO

PARTICOLARI STRUTTURE SUB-VERTICALI



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REVISIONI					
REV.	DATA	DESCRIZIONE	ESEGUITO	VERIFICATO	APPROVATO

PROPONENTE:

EDISON RINNOVABILI S.P.A.
Foro Buonaparte 31 - 20121 Milano (MI)
P.IVA n. 12921540154 / REA MI-1595386



TIMBRO ENTE

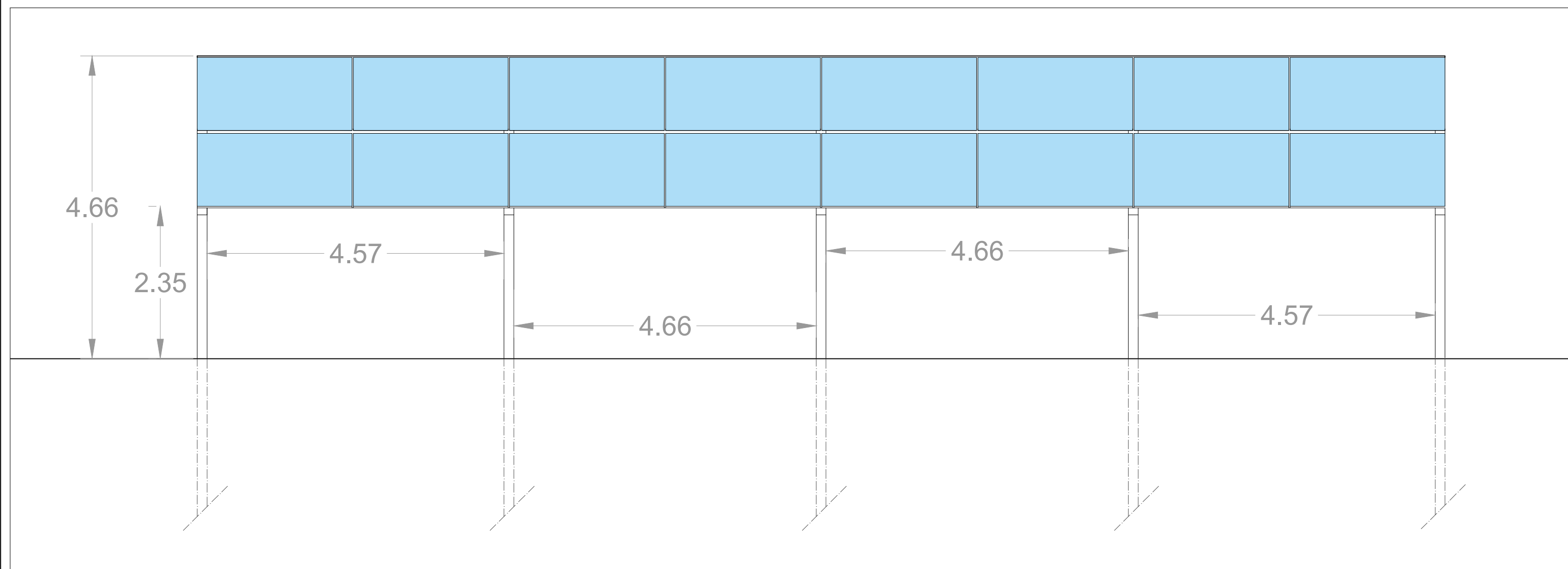
PROGETTAZIONE:

HORIZONFIRM

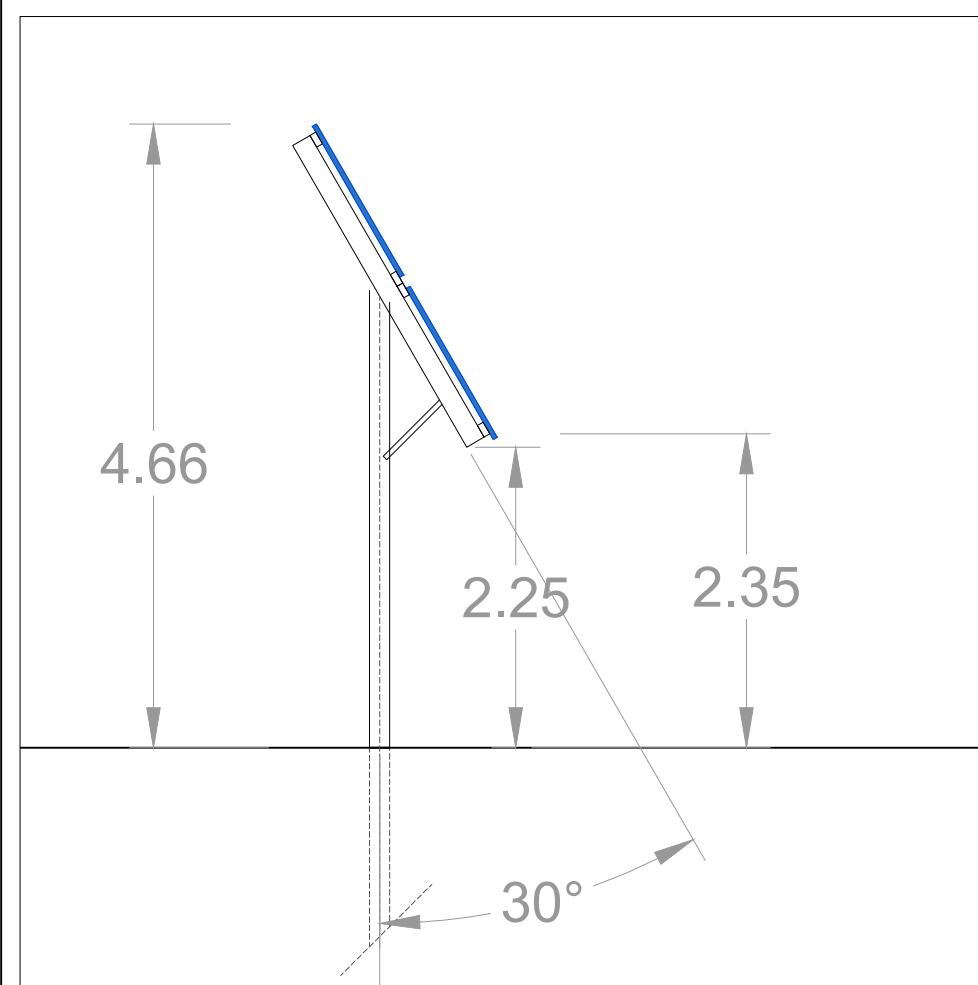
Ing. D. Siracusa
Ing. A. Costantino
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Arch. M. Gullo
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Arch. A. Calandrino
Arch. G. Vella

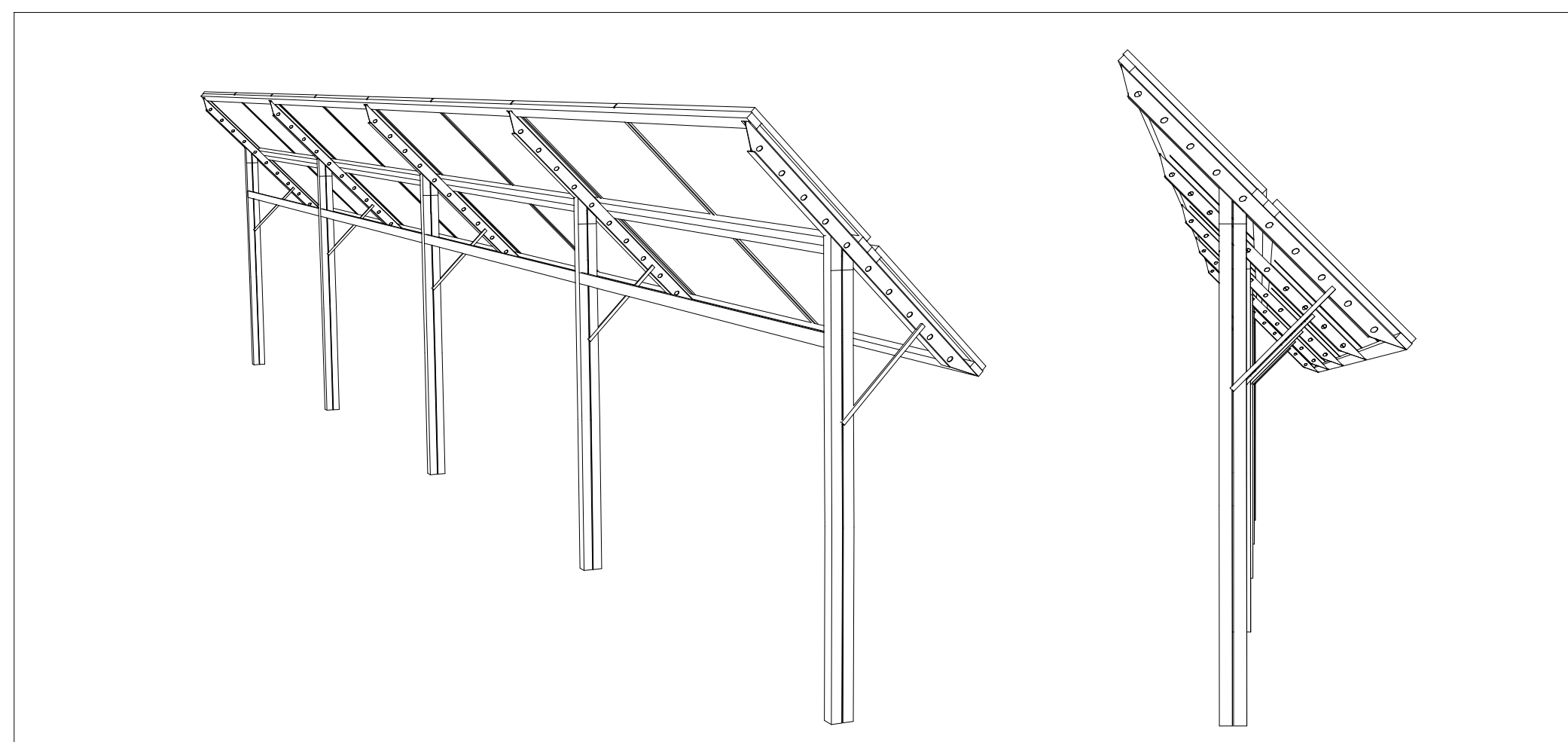
FIRMA DIGITALE PROGETTISTA



PROFILO LONGITUDINALE STRUTTURA SUB-VERTICALE TILT 30° - SCALA 1:50



PROFILO STRUTTURA SUB-VERTICALE TILT 30° - SCALA 1:50



VISTE TRIDIMENSIONALI STRUTTURE SUB-VERTICALI

EVO6 Pro SE6-66HBD

680-700W

Mechanical Data

Number of Cells	132 Cells (6x22)
Dimensions of Module L*W*H	2384 x 1303 x 35mm
Weight	38.2kg
Front Side Glass	High transparency solar glass 2.0mm
Back Side Glass	High transparency solar glass 2.0mm
Frame	Black/Silver, anodized aluminium alloy
Junction Box	IP68 Rated, 3 Diodes
Cable	4.0mm ² , Portrait: 350mm / Landscape: 1400mm
Wind/Snow Load	2400Pa/5400Pa*
Connector	MC Compatible
Bifaciality	80±5%

* Please check the installation manual for more details

Electrical Specification (STC*)

	680	685	690	695	700
Maximum Power (P _{max} /W)	680	685	690	695	700
Maximum Power Voltage (V _{mp} /V)	41.49	41.65	41.80	41.95	42.10
Maximum Power Current (I _{mp} /A)	16.39	16.45	16.51	16.57	16.63
Open Circuit Voltage (V _{oc} /V)	49.5	49.66	49.82	49.98	50.13
Short Circuit Current (I _{sc} /A)	17.19	17.25	17.31	17.37	17.43
Module Efficiency (%)	21.9	22.1	22.2	22.4	22.5
Power Output Tolerance (W)	0~+5				

* Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

Electrical Specification (BSTC*)

	750	756	761	767	772
Maximum Power (P _{max} / W)	750	756	761	767	772
Maximum Power Voltage (V _{mp} / V)	41.49	41.65	41.80	41.95	42.10
Maximum Power Current (I _{mp} / A)	18.08	18.16	18.21	18.29	18.34
Open Circuit Voltage (V _{OC} / V)	49.50	49.66	49.82	49.98	50.13
Short Circuit Current (I _{sc} / A)	18.96	19.04	19.09	19.17	19.22

* Front side irradiance 1000W/m², back side irradiance 135W/m², Ambient Temperature 25°C, Air Mass 1.5

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	35A

Temperature Ratings

NOCT (Nominal Operating Cell Temperature)	44±2°C
Temperature Coefficient of I _{sc}	+0.04%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of P _{max}	-0.26%/°C

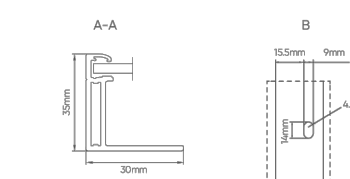
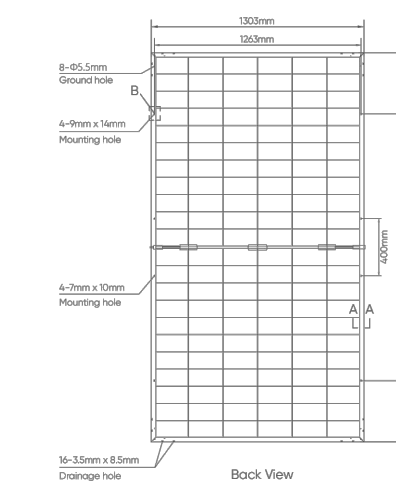
Packaging Configuration

Module per Box	31 pieces
Module per 40' Container	558 pieces

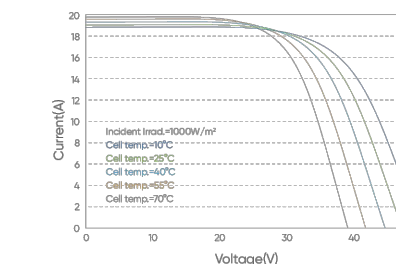


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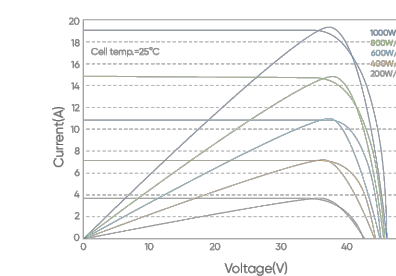
Module Dimension



I-V Curve at Different Temperature (680W)



I-V/P-V Curve at Different Temperature (680W)



DETTAGLI DEI PANNELLI UTILIZZATI PER LA STESURA DEL LAYOUT