



REGIONE MOLISE

COMUNE DI TERMOLI

(PROVINCIA DI CAMPOBASSO)



STEFANA SOLARE S.R.L.

SOCIETA' PROPONENTE:

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NOME IMPIANTO: "STEFANA SOLARE"

PROGETTO: PROGETTO DEFINITIVO PER LA REALIZZAZIONE DI UN IMPIANTO SOLARE FOTOVOLTAICO CONNESSO ALLA RETE ELETTRICA NAZIONALE DELLA POTENZA MASSIMA DI IMMISSIONE DI 24 MWE CON IMPIANTI ED OPERE DI CONNESSIONE SITE IN ZONA INDUSTRIALE DEL COMUNE DI TERMOLI (CB)

ALLEGATO	TAVOLA	FOGLIO	MAPPALAE	SCALA
	B6			

OGGETTO
SPECIFICHE TECNICHE TRACKER E PANNELLI TIPO

REDAZIONE PROGETTO: TIMBRI E VISTI D'APPROVAZIONE

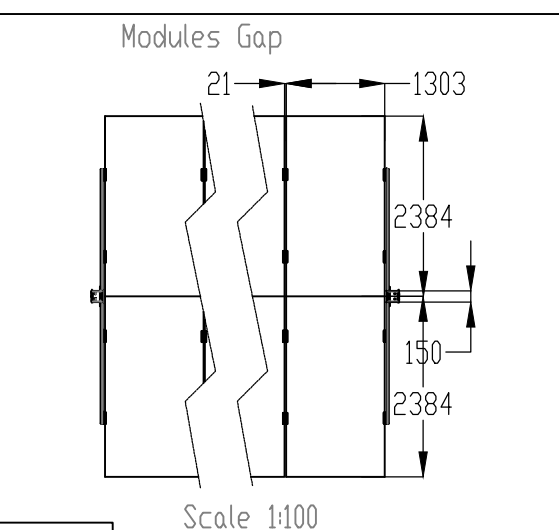
ING. CONTE ANGELO
DOTT. ALFONSO IANIRO

Cervaro li 11-04-2022

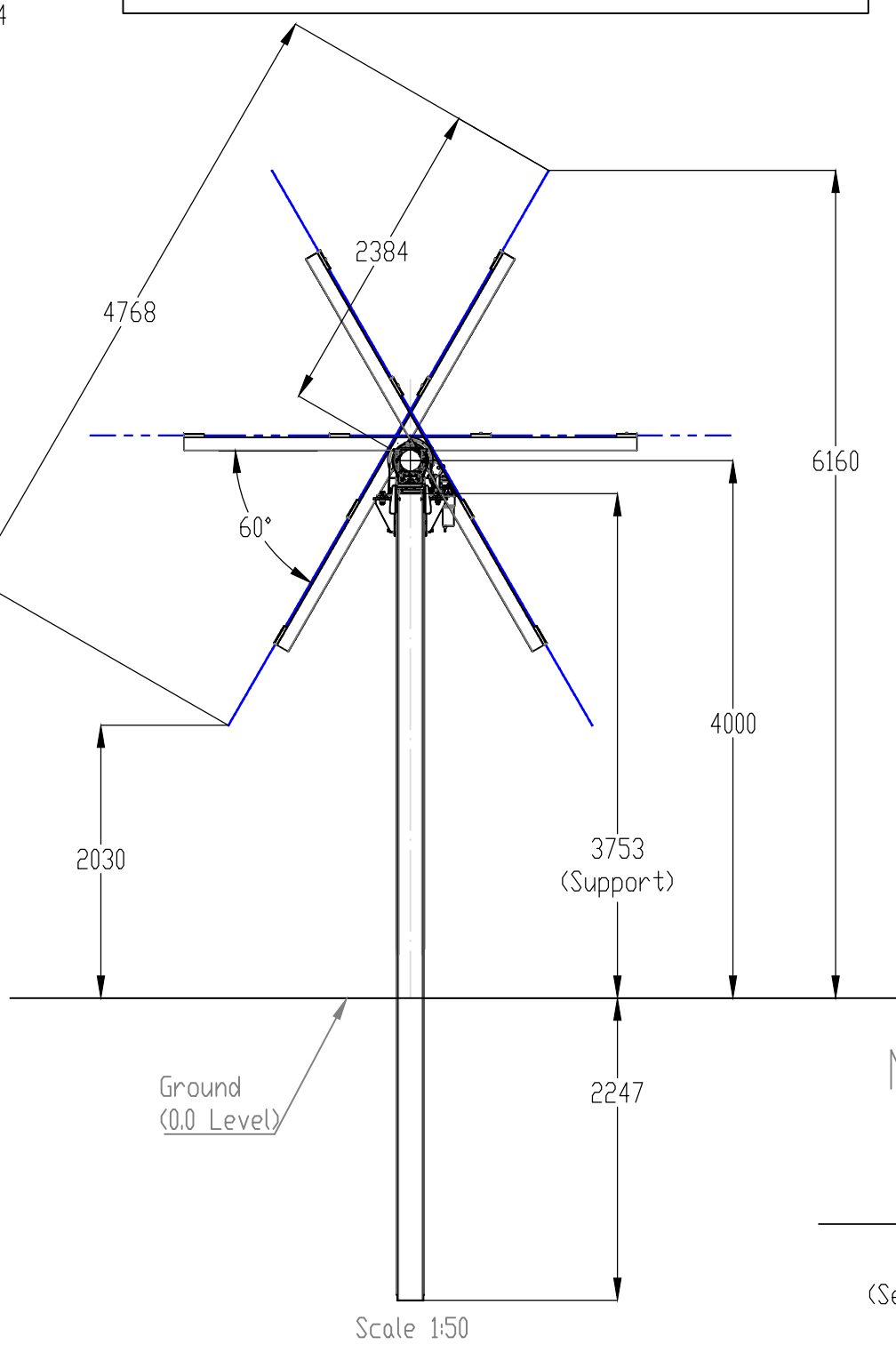


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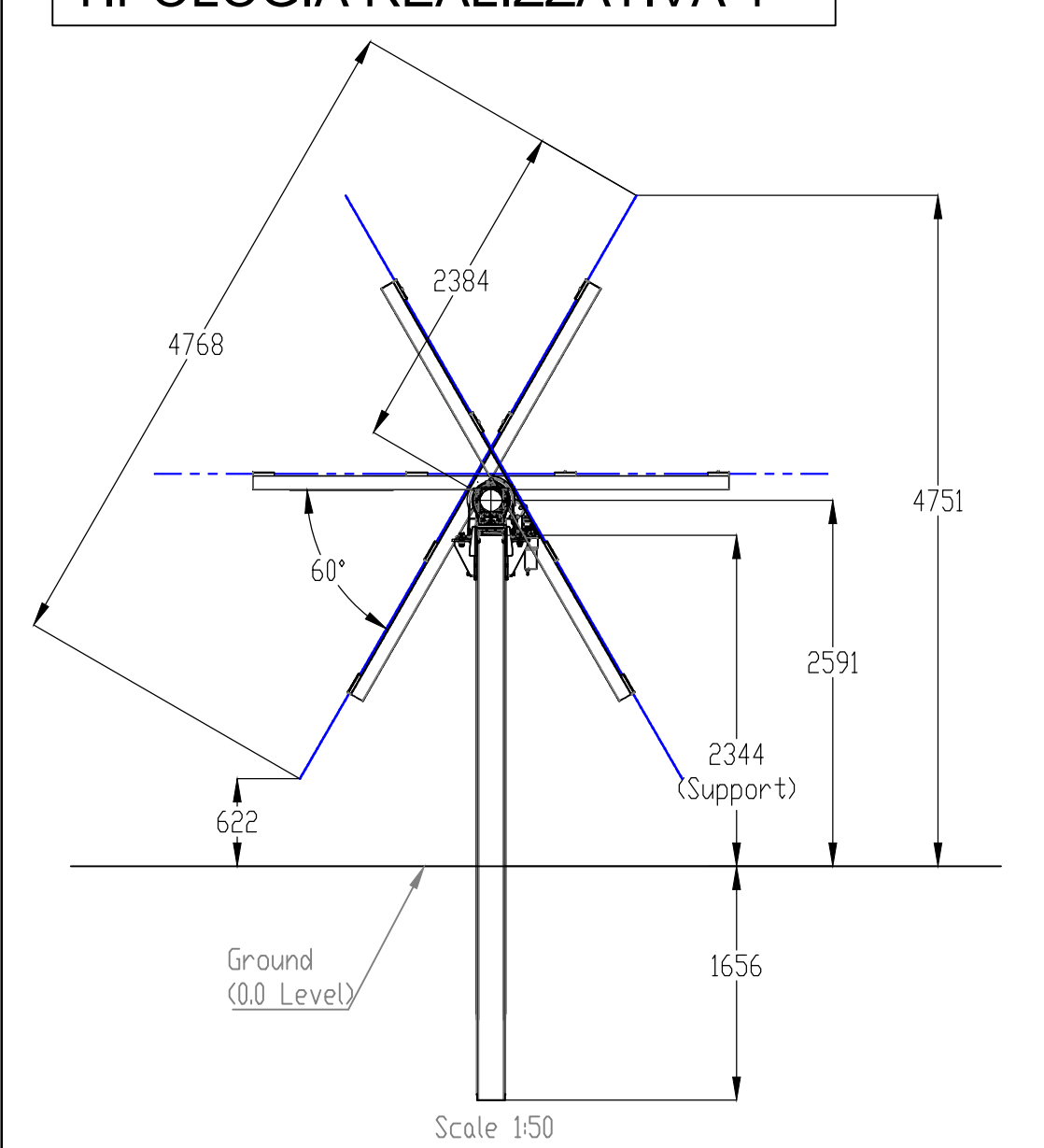
DIMENSIONI MODULO



TIPOLOGIA REALIZZATIVA 2



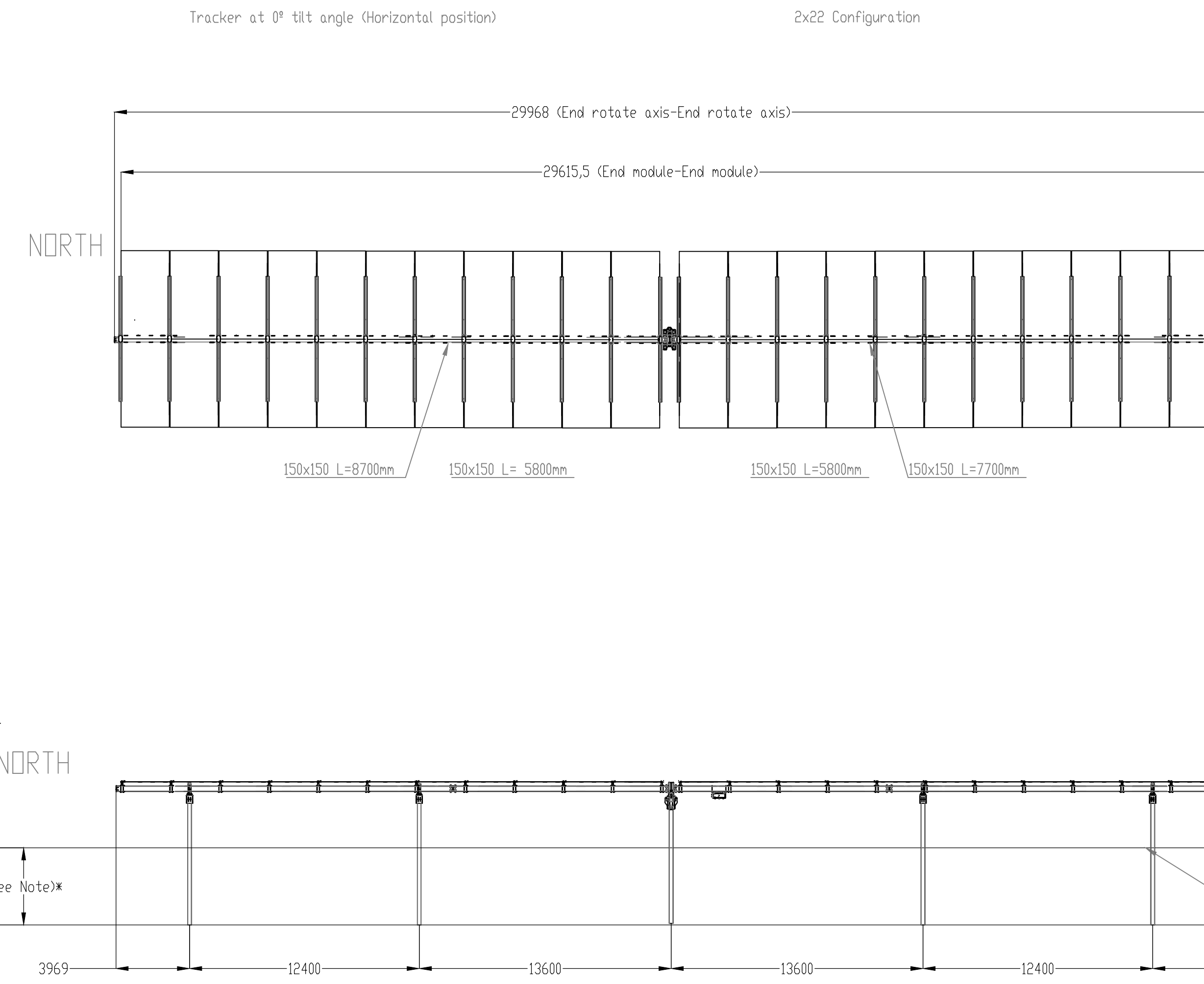
TIPOLOGIA REALIZZATIVA 1



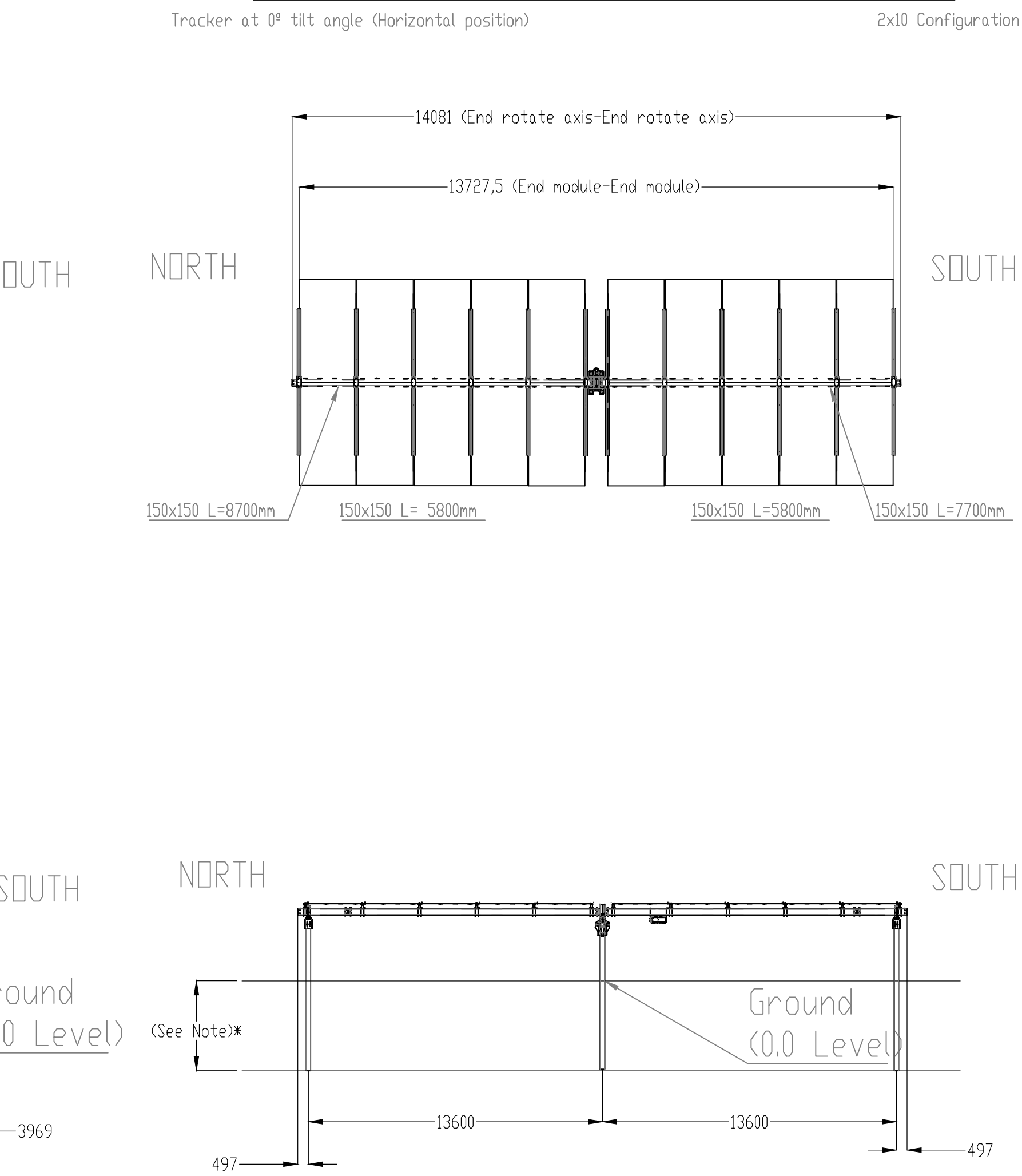
Note*

Simple Support - Standard Embedment Length
60 Degrees
1.5m (176.5mm)
1.5m (176.5mm)
1.7m (176.5mm)
2m (207.3mm)
2.5m (253.0mm)
2.8m (283.5mm)
3m (308.9mm)

CONFIGURAZIONE TIPO - TRACKER 2*22 -



CONFIGURAZIONE TIPO - TRACKER 2*10 -



SCHEDA TECNICA MODULO FOTOVOLTAICO TIPO

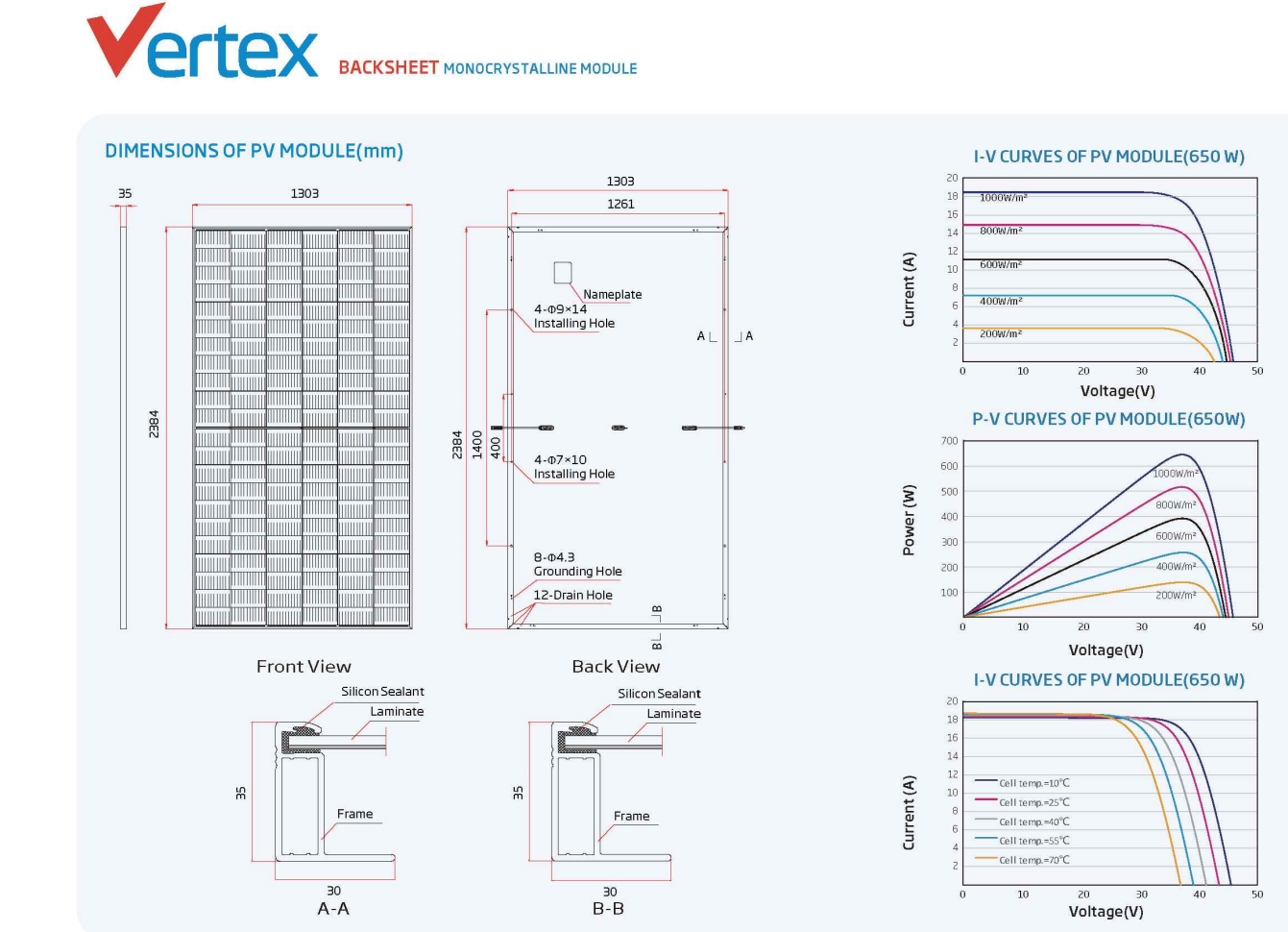


670W MAXIMUM POWER OUTPUT
0~+5W POSITIVE POWER TOLERANCE
21.6% MAXIMUM EFFICIENCY

- High customer value**
 - Lower LCOE (Levelized Cost Of Energy), reduced BOS (Balance of System) cost, shorter payback time
 - Lowest guaranteed first year and annual degradation;
 - Designed for compatibility with existing mainstream system components
- High power up to 670W**
 - Up to 21.6% module efficiency with high density interconnect technology
 - Multi-busbar technology for better light trapping effect, lower series resistance and improved current collection
- High reliability**
 - Minimized micro-cracks with innovative non-destructive cutting technology
 - Ensured PID resistance through cell process and module material control
 - Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas
 - Mechanical performance up to 5400 Pa positive load and 2400 Pa negative load
- High energy yield**
 - Excellent IAM (Incident Angle Modifier) and low irradiation performance, validated by 3rd party certifications
 - The unique design provides optimized energy production under inter-row shading conditions
 - Lower temperature coefficient (-0.34%) and operating temperature



Comprehensive Products and System Certificates
IEC61215/IEC61730/IEC61703/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO 14064: Greenhouse Gases Emissions Verification
ISO 45001: Occupational Health and Safety Management System



ELECTRICAL DATA (STC)		MECHANICAL DATA	
Peak Power Watts-Pmax (Wp)*	645 650 655 660 665 670	Solar Cells	Monocrystalline
Power Tolerance-Pmax (W)	0 +5	No. of cells	132 cells
Maximum Power Voltage-Vmp (V)	37.2 37.4 37.6 37.8 38.0 38.2	Module Dimensions	2384x1303x35 mm (93.86x51.30x1.38 inches)
Maximum Power Current-Impp (A)	17.35 17.39 17.43 17.47 17.51 17.55	Weight	32.6kg (74.1 lb)
Open Circuit Voltage-Voc (V)	45.1 45.3 45.5 45.7 45.9 46.1	Encapsulant material	EVA
Short Circuit Current-Isc (A)	18.39 18.44 18.48 18.53 18.57 18.62	Backsheet	White
Module Efficiency - η (%)	20.8 20.9 21.1 21.2 21.4 21.6	Frame	35mmx3.38 inches Anodized Aluminium Alloy
		J-Box	IP68 rated
		Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²), Tension: 200/200 newtons (45/45 lbf) (20/20 inches) Length can be customized
		Connector	MC4 EVO2 / TS4*

ELECTRICAL DATA (NOCT)		TEMPERATURE RATINGS		MAXIMUM RATINGS	
Maximum Power-Pmax (Wp)	489 492 496 500 504 508	NOCT (Nominal Operating Cell Temperature)	43°C (109°F)	Operational Temperature	-40~+85°C
Maximum Power Voltage-Vmp (V)	34.8 34.9 35.1 35.3 35.4 35.6	Temperature Coefficient of Pmax	-0.34%/°C	Maximum System Voltage	1500V DC (IEC)
Maximum Power Current-Impp (A)	14.05 14.09 14.13 14.17 14.22 14.26	Temperature Coefficient of Voc	-0.25%/°C	Maximum System Current	1500V DC (UL)
Open Circuit Voltage-Voc (V)	42.5 42.7 42.9 43.0 43.2 43.4	Temperature Coefficient of Isc	0.04%/°C	Max Series Fuse Rating	30A
Short Circuit Current-Isc (A)	14.82 14.86 14.89 14.93 14.96 15.01				

WARRANTY
12 year Product Workmanship Warranty
25 year Power Warranty
2% first year degradation
0.55% Annual Power Attenuation
*Please refer to product literature for details

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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