



Progettazione definitiva finalizzata all'autorizzazione di una centrale di energia rinnovabile e delle relative opere di connessione denominata "Sperlinga", costituita da un impianto agrivoltaico di potenza complessiva pari a 50,112 MW [DC] e potenza in immissione pari a 37,75128 MW [AC]. La centrale sarà realizzata in C.da Serravalle nel comune di Chiaromonte Gulfi (RG) – Sicilia

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**IMPIANTI ELETTRICI
SCHEMA TECNICA TRACKER**

C451
Codice commessa

SP
Sito

D
Fase

EL
Disciplina

0008
Numero

r00
Revisione



Revisione	Data	Motivo	Redatto	Controllato	Approvato
00	15/05/2024	Emissione	G.C.	U.L.	U.L.



SF7 | One Track
Zero Gap

The latest generation of the horizontal single-axis tracker



TECHNICAL DATASHEET



Single-Axis Tracker

MAIN FEATURES

Tracking System	Horizontal Single-Axis with independent rows		
Tracking Range	120° +		
Drive System	Enclosed Slewing Drive, DC Motor		
Power Supply	Self-Powered PV Series Optional: AC/DC Universal Input		
Tracking Algorithm	Astronomical with TeamTrack Backtracking		
Communication	Wireless Hybrid Radio + RS-485 Cable Optional: Wire RS-485 Full Wired		
Wind Resistance	Per Local Codes		
Land Use Features	Independent Rows YES Slope North-South 17% Slope East-West Unlimited Ground Coverage Ratio Configurable. Typical range: 28-50%		
Foundation	Driven Pile Ground Screw Concrete		
Temperature Range	Standard - 4°F to +131°F -20°C to +55°C Extended -40°F to +131°F -40°C to +55°C		
Availability	>99%		
Modules	Standard: 72 cells Optional: 60 Cells; Crystalline, Thin Film (Solar Frontier, First Solar and others); Bifacial		

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MODULE CONFIGURATIONS

1000V	Length	Height	Width	1500V	Length	Height	Width
2x38	38.1 m (124' 12")	3.95 m (12' 12")	3.92 m (12' 12")	2x42	42.1 m (138' 12")	3.95 m (12' 12")	3.92 m (12' 10")
				2x43.5	44.1 m (144' 8")		
2x40	40.1 m (131' 7")	2x45	45.1 m (147' 12")				

SERVICES

Tracker Advisory Services	Tracker Turnkey Contracting
Technical Support	Commissioning
Pull Out Test	Maintenance

MAINTENANCE ADVANTAGES

Self-lubricating Bearings
Face to Face Cleaning Mode
2x Wider Aisles

WARRANTY

Structure 10 years (extendable)
Motor 5 years (extendable)
Electronics 5 years (extendable)



DNV GL Technology Review available
Bankability report
WIND TUNNEL TESTED



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