

PROGETTO DELLA CENTRALE SOLARE "SOLAR BLOOMS"

da 29,36 MWp a Civita Castellana (VT)



D13

PROGETTO DEFINITIVO

SCHEDA TECNICA TRACKER



Proponente
Pacifico Pirite S.R.L.
Piazza Walther-von-der-Vogelweide,8 - 39100 (BZ)



Progetto dell'inserimento paesaggistico e mitigazione
Progettista: Agr. Fabrizio Cembalo Sambiase, Arch. Alessandro Visalli
Collaboratori: Arch. Anna Manzo, Urb. Patrizia Ruggiero, Arch. Anna Sirica



AEDES GROUP
ENGINEERING

Progettazione elettrica e civile
Progettista: Ing. Rolando Roberto, Ing. Giselle Roberto
Collaboratori: Ing. Marco Balzano, Ing. Simone Bonacini



MARE
RINNOVABILI

Consulenza geologia
Geol. Gaetano Ciccarelli

Consulenza archeologia
Apoikia S.R.L.
Via Sant'Anna dei Lombardi, 16 - 80134 (NA)

03	● 2023	rev	descrizione	formato	elaborazione	controllo	approvazione
		00	Prima consegna	A4	Rolando Roberto	Giselle Roberto	Rolando Roberto
		01					
		02					
		03					
		04					
		05					
		06					
		07					



The latest generation of the horizontal single-axis tracker



[PV SOLAR TRACKER]
E476688



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

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")
2x40	40.1 m (131' 7")			2x43.5	44.1 m (144' 8")		
				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)

SPAIN / Headquarters

Pol. Ind. La Serreta
Gabriel Campillo, s/n, 30500
Molina de Segura, Murcia, Spain
info@soltec.com
T +34 968 603 153

MADRID

Téllez, 56 - Oficina B1
28007 Madrid, Spain
emea@soltec.com

BRAZIL

brasil@soltec.com
+55 71 3026 1444

CHILE

chile@soltec.com
+56 (02) 25738559

CHINA

china@soltec.com
+86 15021713965

MEXICO

mexico@soltec.com
+52 1 55 557 3144

PERU

peru@soltec.com
+51 53 50 7315

INDIA

india@soltec.com
+91 124 4568202

SCANDINAVIA

scandinavia@soltec.com
+45 70 43 01 50

UNITED STATES

usa@soltec.com
+1 510 440 9200



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