

PROGETTO DELLA CENTRALE SOLARE "SOLAR HILLS"

da 85,12 MWp - Manciano (GR)

REGIONE
TOSCANA



D-13

PROGETTO DEFINITIVO

SCHEDA TECNICA TRACKER



Proponente

MAAG ULIVO S.R.L.

Via E. Maragliano, 43 - 00151 (RM)



Investitore agricolo superintensivo

OXY CAPITAL ADVISOR S.R.L.

Via A. Bertani, 6 - 20154 (MI)



Progetto dell'inserimento paesaggistico e mitigazione

Progettista: Agr. Fabrizio Cembalo Sambiasi, Arch. Alessandro Visalli

Collaboratori: Urb. Patrizia Ruggiero, Arch. Anna Manzo, Agr. Giuseppe Maria Massa

studio di architettura del paesaggio

Progettazione elettrica e civile

Progettista: Ing. Rolando Roberto, Ing. Giselle Roberto

Collaboratori: Ing. Marco Balzano, Ing. Simone Bonacini



AEDES GROUP
ENGINEERING

Progettazione oliveto superintensivo



**MARE
RINNOVABILI**

Consulenza geologia

Geol. Gaetano Ciccarelli

Consulenza archeologia

Apoikia S.R.L.

Via Sant'Anna dei Lombardi, 16 - 80134 (NA)



05 ● 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



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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