

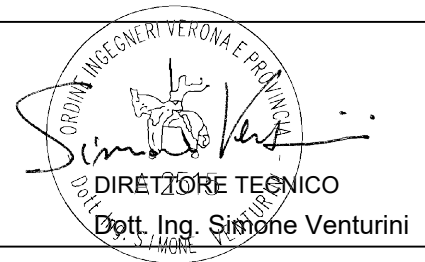


PROGETTO DEFINITIVO DI UN IMPIANTO AGRO-FOTOVOLTAICO DELLA POTENZA COMPLESSIVA DI 104,4 MWp, E RELATIVE OPERE DI CONNESSIONE ALLA RETE, DOTATO DI SISTEMA DI ACCUMULO CON POTENZA DI 17,6 MW DA REALIZZARSI NEL COMUNE DI TORREMAGGIORE (FG)

PROGETTO DEFINITIVO

COMMITTENTE: EPSILON SOLAR s.r.l.

PROGETTISTA:



TITOLO ELABORATO:

BROCHURE TRACKER

ELABORATO n° :

BI035F-D-TM00-IMP-SH-01-00

NOME FILE :

SCALA : -

DATA : Marzo 2024

	N.	DATA	DESCRIZIONE	ELABORATO	CONTROLLATO	APPROVATO
REVISIONE	00	Marzo 2024	Emissione	N.Ostoich	M.Palvarini	S. Venturini
	01					
	02					
	03					
	04					

MONOLINE⁺

2P



ADAPTED TO **XXL MODULES**



IN-HOUSE **MANUFACTURING**
* providing local content if required



BIFACIAL OPTIMIZED



TERRAIN RESPONSE



PV CLEANER TESTED
Certified by module manufacturer



MADE WITH **MAGNELIS[®]**
* Optional

General specifications

Tracker	Independent-row, horizontal single-axis
Maximum length	70 m.
Maximum width	5 m.
Module configuration	2 modules in portrait
Rotational range	E-O: +/- 60°
Motor per MWp	Depending on the size, the type of the module and the number of modules per string, 3 motors per row. (Maximum 70 meters length)
Ground cover ratio	30-50%
Modules supported	All market available modules
Slope tolerance	N-S: up to 23.5% every 20 m. E-W: unlimited
Module attachment	By bolts and nuts, rivet or clamps for frameless modules
Allowable wind load	Tailored to site specific condition
Wind alarm	Controlled by ultrasonic anemometer
Prepared for XXL modules	

Communications & Control

Solar tracking method	Astronomical algorithm
Control System	Central control unit connected to plant SCADA Redundant wireless gateways to guarantee communication Self-powered DC Motor Drive Box with auxiliary panel
SCADA interface	Modbus TCP or OPC-UA
Communication	Wireless (LoRa)
Nighttime stow	Configurable
Advanced Algorithms	Adaptative Backtracking 3D & Diffuse Light Optimization (optional)

Installation & Services

On-site training and commissioning	
Warranty	Structure: 10 years Electromechanical components: 5 years
PV Cleaner	Optional
Certifications	UL 3703, IEC 62817 on going

