



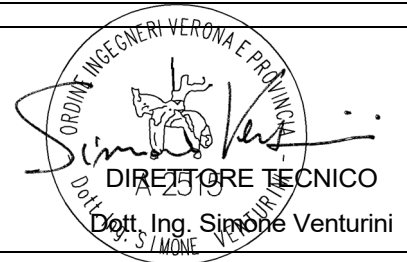
PROGETTO DEFINITIVO DELL'IMPIANTO AGRIVOLTAICO DELLA POTENZA DI PICCO DI 360MW CON SISTEMA DI ACCUMULO DI CAPACITA' PARI A 82,5MWH E RELATIVE OPERE DI CONNESSIONE ALLA RETE RTN, DA REALIZZARSI NEL COMUNE DI SASSARI NELLE FRAZIONI DI "PALMADULA, LA CORTE, CANAGLIA, LI PIANI, SAN GIORGIO, SCALA ERRE"

PROGETTO DEFINITIVO

COMMITTENTE:

**PALMADULA
SOLAR S.R.L.**

PROGETTISTA:



TITOLO ELABORATO:

BROCHURE TRACKER

ELABORATO n°:
BI028F-D-PAL-SH-01-r00

NOME FILE:

SCALA: ----

DATA: AGOSTO 2023

| REVISIONE | N. | DATA | DESCRIZIONE | ELABORATO | CONTROLLATO | APPROVATO |
|-----------|----|------|-------------|-----------------|-------------|-----------|
| | 00 | 00 | Agosto 2023 | Prima Emissione | E. Guiot | M. Sandri |
| 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 |



MONOLine⁺

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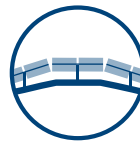
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| Communication Network | Wireless (LoRaWAN) |
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On-site training and commissioning

Warranty

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Electromechanical components: 5 years

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