

LEGEND

- PV Array Boundary (11.85 MWdc)
- Array Sub-field (dashed)
- 22 kV MV Underground Cable
- Internal Access Road
- IPP Switching Station
- O&M Building
- Eskom Macangceni SS
- Eskom 22 kV OHL Route

SITE COORDINATES

Lat: 31.4474° S

Long: 27.7331° E

Alt: 1,429 m AMSL

Datum: WGS84

SYSTEM SUMMARY

DC Capacity:	11.85 MWdc
AC Capacity:	10 MWac
DC:AC:	1.18
Modules:	17,793 units
Module:	TSM-DE21-665 / 665Wp
Inverters:	40 x 250 kWac (SG250-HX)
Grid:	22 kV (Eskom Macangceni SS)
Annual E(P50):	21.96 GWh/yr
Spec. Yield:	1,856 kWh/kWp/yr
PR:	82.72%

Rev	Date	Description
00	Jun 2026	Issued for EIA

NOTES: 1. This drawing is for EIA / Environmental Authorisation purposes only and is NOT for construction. 2. All infrastructure positions are indicative and subject to detailed design and land survey. 3. Cadastral data (SG codes, erf numbers, title deeds) to be confirmed – Surveyor-General records pending. 4. North arrow is approximate.

iLiNGE Energy Automation

Grootfontein Agrovoltaic Solar Energy Facility (SEF)

Macangceni, Eastern Cape, South Africa

SITE LAYOUT DRAWING

Scale: NTS (Not to Scale) | Coordinate System: WGS84 | Prepared for EIA Submission

11.85 MWdc | 10 MWac | Single-Axis Tracker (E-W) | 22 kV Grid Connection to Eskom Macangceni SS

Project	Grootfontein Agrovoltaic SEF
Client / Owner	iLinge Energy Automation (Pty) Ltd
Drawing Title	Site Layout – Infrastructure Overview
Drawing No.	iLEA-GRT-DWG-001
Revision	Rev 00 – For EIA Submission
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