



Notes

PV Plant: Khauta
 Location: Free State, South Africa
 UTM convergence: 0.0647 °
 Altitude: 1387.54 m
 Suitable area: 153.38 ha
 Perimeter fence: 8.05 km

Rated Power: 77.9 MW
 Peak Power: 96.4 MW
 Ratio DC/AC: 1.24
 Inverter output power factor: 0.928
 Structure: Horizon L: TEC - Bifacial
 PV Module: Longi Solar LR5-72HND-550M
 Inverter: SMA Sunny Central 4000 UP
 Power Station: 4000.0 kVA, 0.6/33.0kV
 Pitch distance: 11.3 m
 Modules per string: 26

Number of PV modules: 175344
 Number of string boxes: 342
 Number of inverters: 21
 Number of secondary inverters: 0
 Number of power stations: 21

Legend

- Available area
- Restricted area
- Substation
- Power station
- Colors indicate solar field connection to each power station
- Mounting structure
- Roads
- Medium voltage trenches
- Low voltage trenches
- Fences
- Medium voltage lines
- String cables
- Cables from string box to inverter
- String boxes

REV	DESCRIPTION	BY	DATE
00	FIRST VERSION	RP	2022-05-31

FOR INFORMATION ONLY



PROJECT: Khauta

DRAWING: PV Plant Layout

SCALE: 1 : 10000	SHEET: 1 / 1
REVISION: 00	DATE: 2022-05-31
DIN A3	