



Notes

PV PLANT NAME	Hampton Park SESS	
LOCATION	New South Wales, Australia	
SOLAR PEAK POWER (MW)	-128	
APPARENT POWER AT INVERTERS (MVA)	235.950	
RATED POWER AT INVERTERS (MW)	235.950	
DC/AC RATIO AT INVERTERS	0.945	
RATED POWER AT POI (MW)	172	
DC/AC RATIO AT POI	0.748	
DC SYSTEM VOLTAGE (kV)	1.5	
MV AC SYSTEM VOLTAGE (kV)	33.0	
SUITABLE AREA (ha)	160.4	
FENCED AREA (ha)	203.95	
PERIMETER FENCE (km)	7.82	
ROADS (km)	5.25	
INDICATIVE PV MODULE MODEL	Jinkosolar 2025 JK670N-66QLE-BDV	
INDICATIVE PV MODULE RATING (W)	670.00	
PV MODULE QUANTITY	-192,000	
PV MODULES PER STRING	27	
GCR	0.41	
PITCH DISTANCE (m)	5.8	
CLEARANCE BETWEEN ROWS (m)	3.42	
INVERTER MODEL	INVERTER RATING Pmax (MVA)	QUANTITY OF INVERTERS
Ingeleam INGECON SUN 3825TL C645 H1000 F50	3.575	66
BESS		
MAXIMUM DISCHARGE POWER (MW)	176.876	
TOTAL ENERGY CAPACITY (MWh)	825	
BESS DURATION (h)	4.24	
CONTAINER (MWh)	6.25	
NUMBER OF CONTAINERS	132	
SUBSTATION		
INTERCONNECTION VOLTAGE (kV)	132.0 - 33.0	
TOTAL QUANTITY OF TRANSFORMERS	TBC - likely 2	

Unless otherwise noted, the distance quoted below is the minimum distance from the boundary of the leased property to where the nearest solar panel or associated infrastructure may be placed. Access roads or tracks will be located within those set back areas.

KEY AND LOCATION	DISTANCE (m)	NOTES
1 - Wellington Road	20	
2 - Wellington Road	25	Includes 5m screening
3 - Bencubbin Drive	25	Includes 5m screening
4 - South Eastern Boundary	150/175	150m to boundary stock fence, 175m to the solar panels
5 - Southern Boundary	25	Includes 5m screening
6, 7, and 8 - Agricultural Land	30	

VEGETATION SCREENING

Screening in the Essential Energy Easement is planned to be low growing shrubs (<2.7m mature height) and is still subject to approvals from Essential Energy. On the outside of the screening will be a stock fence, then the screening, and then a security fence behind the vegetation screening.

Legend

- Proposed Exclusion Zones
- Essential Energy Easement
- Operation and Maintenance buildings and area
- Essential Energy Switching Station
- On site Substation
- Power Conversion Unit (PCU)
- Photovoltaic (PV) Panels
- Roads
- Security fencing
- Vegetation Screening
- Battery Container
- Stock Fencing

00	PRELIMINARY DESIGN	SC	19-03-2026				
REV	DESCRIPTION	BY	DATE				
FOR INFORMATION ONLY							
PROJECT: Hampton Park SESS							
DRAWING: PV Plant Layout							
SCALE: 1 : 10000 (A3)				SHEET: 1 / 1			
REVISION: 00				DATE: 19-03-2026			
DIN A3							