

EUGOWRA STAGE 1 PV ARRAY SUMMARY

- PV Module : TONGWEI TWMNH-54HD500 BI-FACIAL (500W)
- Module Dimensions - 1961mm L x 1134mm W x 30 H
- Installation Method - Jurchen Technology E/W 8° Peg System
- Inverter : Sungrow SG3400-HV
- Total no. of arrays: 2
- No. of sub-arrays: 12
- Total no. of strings: 144
- String length : 30 modules
- No. of Solar Panel Modules : 4320
- Total Nominal array DC power produced: 2,160,000W(2.16MW) under STC Conditions
- Orientation - E/W - Azimuth Rotated Approximately 9.7° West


- Total Stage 1 installed DC Capacity to be 2.18MW DC - DC Design allows for the capacity of the solar farm to be increased by a further 2.18MW DC maximum - Shown in grey.
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EUGOWRA STAGE 1 BATTERY SYSTEM

- BESS : 2 x Sungrow ST-2752UX

PROJECT NOTES

- It is the constructors responsibility to ensure that the installation as constructed complies with relevant Australian Standards including but not limited to AS/NZ 3000, AS/NZ 5033, AS/NZ 4777, AS/NZ3008, AS/NZ2067, AS1725, AS1940 AS3600
- Constructor and/or earthworks contractor MUST carry out a "Before You Dig Australia" (BYDA) search prior to earthworks and to locate existing and any new assets.
- A construction certificate must be obtained before any construction work begins. All Development Application (DA) conditions must be adhered to during the construction phase. Please refer to the DA for specific details.
- All Cables to be labeled at each termination with either destination or string name.
- Minimum spacing between solar panels and boundary security fence to be finalised after consultation between Client, Council, Firefighting requirements. SED have maintained 10m clearance as a basic requirement.
- Contractors to Verify Cable lengths onsite.

CAD DRAWING DO NOT MANUALLY AMEND AMENDMENTS	Rev.	Date:	By:	Changes:	WORK AS EXECUTED		Sustainable Energy Design P/L Ph: (02) 6361 7567 Email: projects@sed.net.au Postal Address: PO Box 2129 ORANGE NSW 2800 1/10 HAWTHORN PL ORANGE NSW 2800 ASP Accreditation No: 2659	Client: Cabonne Council 99-101 Bank St Molong NSW 2866 	Job Title: EUGOWRA SOLAR FARM 2.18MW DC DESIGN	Scale	1:1000
	0.1	19/12/2024	APT	PRELIMINARY RELEASE 0.1						Drawn	APT
	0.2	28/01/2025	APT	Release for Council Comment on access roads and fencing.	COMPANY: _____				Checked	MJD	
	0.3	18/03/2025	APT	XXXX	WORK COMPLETED: _____ NAME (Block Letters)				Designed	MJD	
	0.4	YY/YY/YYYY	APT	YYYY	SIGNED: _____				Date Issued	18/03/25	
	0.5	ZZ/ZZ/ZZZZ	APT	ZZZZ	DATE COMPLETED: _____				Version	0.3	
									SED Project No	S2456	
							Site Address: Eugowra Sewerage Treatment Plant 255 Casuarina Drive Eugowra NSW 2866		SHEET 1 OF X		
									A2		