



Site Plan Legend

	Site Boundary
	Fence
	Construction line 10m from fence
	10m Easement from OHL 66kV
	Access Road Internal
	Access Road Residential
	Skid (4 x Inverters)
	Skid (2 x Inverters)
	1x68 Tracker (2 Strings)
	1x34 Tracker (1 String)
	Entrance Door

Configuration

Module	Risen RSM120-8-590MDG/595MDG(1500Vdc)
String Size	34 modules
Production substation	Ingecon Sun Skid MSK20 3280 and 6560 kVA
Inverters	2, or 4 per substation-Ingecon SUN 1640TL PowerMax B
Production Transformers	1 per substation-3280, or 6560 kVA 22/0.63 kV D

Substations 1-10

Substation #	1-2, 4-5	3	6	7-9
Module Wattage	590	590	590/595	595
Inverters	4	4	4	4
TFs	1	1	1	1
Trackers	194 x 2 str + 6 x 1 str	192 x 2 str + 6 x 1 str	194 x 2 str + 6 x 1 str	194 x 2 str + 6 x 1 str
Strings	394	390	386	394
Modules	13396	13260	13124	13396
DC Capacity (MW)	7.90364	7.8234	7.75965	7.97062
DC / AC Ratio	1.2	1.19	1.18	1.22

Total

Trackers 1Px68 mod.	1834 x 2Px68 mod + 60 x 1Px68 mod	
Strings	3728	
Modules	CS7L-590Wp: 2255x34=76670pcs CS7L-595Wp: 1473x34=50082pcs	
Inverters	38	
Production Transformers	10	
DC Capacity	2255 Strings x 34 modules x 590 W 1473 Strings x 34 modules x 595 W → 75.03409 MWp	
AC @30°C	62.206 MVA <small>limit 53MW @ Pot</small>	
DC/AC _(limit)	Grid Voltage Level	COSφ @ (ind/ca)
1.416	33kV/132kV	0.93

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Version	Date	Revised By	Reviewed By	Approved By	Description and Notes
R13	19.10.21	TKA	MVA	PKL	DC Trenches upd
R12	12.10.21	TKA	MVA	PKL	CB Configuration upd
R11	08.10.21	TKA	MVA	PKL	Array Count v0.0
R10	24.09.21	TKA	MVA	PKL	
R09	14.04.21	NVA	MVA	PKL	
R08	19.03.21	NVA	MVA	PKL	

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Drawing Name: Wyalong General Site Plan

Drawing Revision: R13

Scale: 1:4000

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PRELIMINARY

