

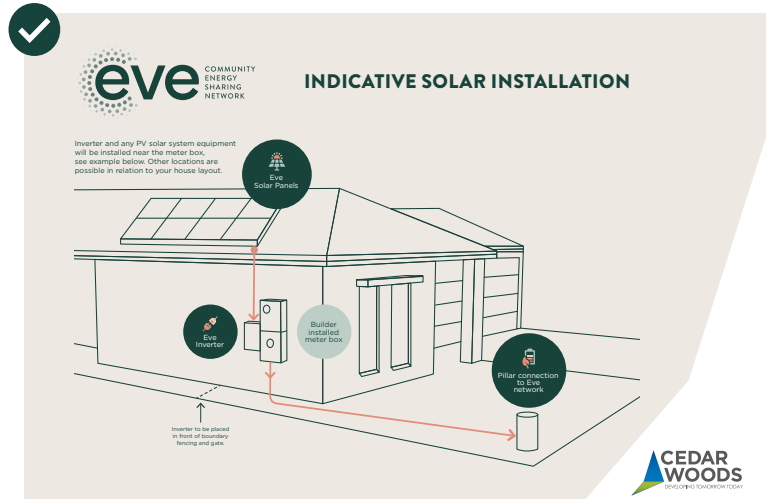
11. Electrical and Build Installation Requirements

Eglinton Village Energy (EVE), is the estate electricity provider.

A condition of this developer approval is a secondary approval from EVE.

Please refer to the Electrical specifications required to build in Eglinton Village.

For further information please contact Eglinton Village Energy email: technicalsupport@eglintonvillageenergy.com.au



Main Switchboard Specifications for Electrical Contractors All switchboards to comply with Australian Standards:

- * AS3000, AS5033, AS4777.1, AS4777.2
- * IEC 61215, IEC 62109, AS3100, AS 3008.1.1
- * AS1170.2, AS1768, AS61439.1, AS 61439.3
- * Clean Energy Council Guidelines
- * WA Electrical Requirements
- * Eglinton Village Energy Standards

Eglinton Village Energy Minimum Requirements		
	Single Phase Installation	Three Phase Installation
Consumer Mains Cable Size	Copper Conductors, 25mm ² , V-90 PVC	Copper conductors, 16mm ² , V-90 PVC
Consumer Site Switchboard Frame	DIN 24 (1)	DIN 24 (1)
Customer Mains Switch	63A Circuit Breaker (2)	50A Circuit Breaker (2)
Surge Protection Device (SPD)	80A HRC Fuses	80A HRC Fuses

- (1) Switchboards to be a minimum of DIN24 with the following provisions made for addition of solar PV:
 - 4 Poles next to each other left free for single phase homes (1P MCB and 3P for meter)
 - 6 Poles next to each other left free for three phase homes (3P MCB and 3P for Meter)

(2) The Customer Mains Switch (CMS) on all switchboards is to be Schneider Electric iC60N, 6kA, C-Curve. This is to ensure discrimination with the Surge Protection Device (SPD). An alternative can only be used with EVE’s approval of a discrimination study for the alternative CMS from an electrical contractor.

Solar System Array and Allowances

Size and quantity of modules per inverter string are subject to roof space availability. Subject to a standard target output (DC) of 6,600 Watts per array, module sizes may vary from 410W to 660W. An allowance of 15kg/m² to accommodate static load.

Reference Indicative Drawings

- Eglinton Village Residential 1-Phase Supply with Solar PV System: Typical Single Line Diagram [2304-ESL-01]
- Eglinton Village Residential 3-Phase Supply with Solar PV System: Typical Single Line Diagram [2304-ESL-02]

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