



### Notes

- DC isolators and string protection may be required near array
- AC isolation adjacent inverter is required when AC wiring length to Main Switchboard exceeds 3m or is not line-of-sight. Check local requirements.
- Refer to cable sizing table above or AS/NZS3008, cable sizing and voltage tables when selecting DC / AC cables. Refer to inverter manufacturer for max resistance of AC line.
- Earth cable to be sized according to AS/NZS5033 and AS/NZS3000 Table 5.1.
- Refer to Local Energy Supplier's instructions for connection and metering requirements.
- In addition to local requirements, installation must conform with the following standards.  
 -AS/NZS5033  
 -AS/NZS4777  
 -AS/NZS3000  
 -AS/NZS3008
- PV Modules to be interconnected by plugs to allow ELV separation.
- Array Ptot assumes string 1 is selected and string 2 is then sized with respect to the maximum DC power threshold. Lower Ptot's may be specified provided the minimum number of modules is also followed for each input

# per String	DC 2 Pole Load-Breaking Isolator Minimum specification		Minimum Allowable Cable Current Carrying Capacity		
	Cfg	DC Voltage	DC Current	DC (Amps)	AC (Amps)
16		673 V	12 A	12 A	25 A
17		718 V	12 A		
18		763 V	12 A		
19		808 V	12 A		
20		898 V	12 A		

Modules: Renesola JC250M-24/Bb					Steca 1ph	Maximum DC cable lengths (m)				Maximum AC cable lengths (m)			
# per String	String #1 Ptot	String #1 Voc	String #1 Isc	Array Ptot *	Steca 3600	2.5 mm square	4 mm square	6 mm square	10 mm square	2.5 mm square	4 mm square	6 mm square	10 mm square
16	4.00 kWp	599 VDC	8.83 A	12.0 kWp	1	11	45	67	70	-	6.2	9.3	15.5
17	4.25 kWp	636 VDC	8.83 A	10.0 kWp	1	12	48	72	77	-	5.8	8.8	14.7
18	4.50 kWp	673 VDC	8.83 A	10.0 kWp	1	13	50	76	84	-	5.8	8.8	14.7

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<b>Generic Drawing</b>		
<b>StecaGrid 3600 single string configuration</b>		