

Sonnen Australia Pty Ltd 604 South Tower

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ANO01 - Grid-Connection Thresholds

The sonnen product range as is compliant and certified to AS/NZS 4777.2 aligns with the following grid voltage and frequency thresholds;

• Sonnen Eco8.2 Single Phase Products;

Minimum Voltage for Grid-connection: 188V stable for 2s

Maximum voltage for Grid-connection: 265V disconnection after 0.2s

Volt-Watt response softening (charge / discharge) Accordance with AS4777.2:2015

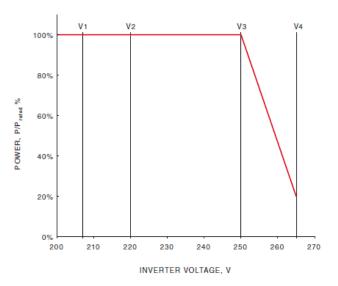


FIGURE 2(A) EXAMPLE CURVE FOR A VOLT-WATT RESPONSE MODE (AUSTRALIA)

Reconnection range after disconnection; 213.4V – 264V

Minimum frequency for Grid-connection: 47Hz stable for 2s

Maximum frequency for Grid-connection: 55Hz disconnection after 0.2s

Frequency Range for stable Grid-connection: 47.5Hz – 50.15Hz



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Sonnen Eco8.0 / 8.1 Three Phase Products;

Minimum Voltage for Grid-connection: 196V

Minimum Voltage for stable Grid-connection: 184V

Maximum voltage for Grid-connection: 264V disconnection after 0.2s

253V disconnection after 10min average

Volt-Watt response softening (charge / discharge) Accordance with AS4777.2:2015

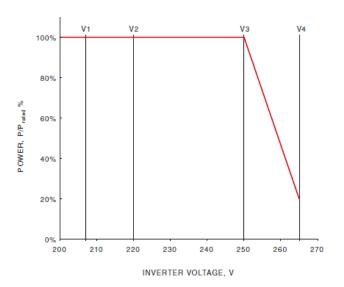


FIGURE 2(A) EXAMPLE CURVE FOR A VOLT-WATT RESPONSE MODE (AUSTRALIA)

Reconnection range after disconnection; 196V – 253V

Maximum Phase Balancing for Export: 5% Variation of Current

Minimum frequency for Grid-connection: 47.5Hz stable for 2s

Maximum frequency for Grid-connection: 51.5Hz disconnection after 0.2s

Grid frequency Derate threshold 50.2Hz

Reduction percentage based on frequency 40%

Reconnection threshold based on frequency 50.05Hz

Exit-reconnection based on frequency 50.2Hz

Reconnection gradient of power 10%

Frequency Range for stable Grid-connection: 47.5Hz – 50.05Hz

If you have any further questions, please contact us at any time for further support or assistance.

Yours faithfully,



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