



**Photo voltaic panel tilt angle**

The tilt angle is the angle of the photo voltaic panels to the ground. The ideal angle will be different in summer and winter.

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**Ideal angles for photo voltaic panel in New Zealand**

Place	Latitude	Summer angle	Winter angle
Whangarei	35° 45'	26°	51°
Auckland	36° 50'	27°	52°
Wellington	41° 15'	31°	56°
Christchurch	42° 30'	32°	57°
Dunedin	45° 50'	36°	61°
Invercargill	46° 30'	36°	61°