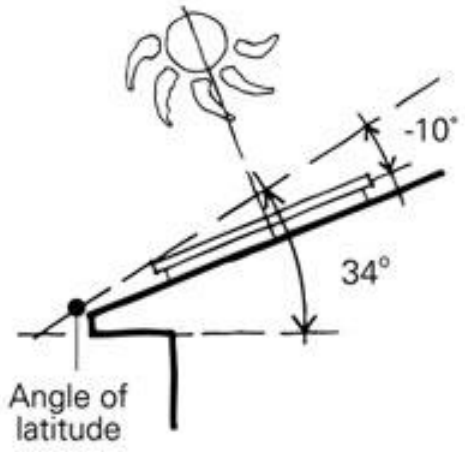
INTRODUCTION

When not mounted flush on a roof, PV modules should be inclined at the optimum angle to maximize the annual energy output of the system. For grid connected systems, this angle is 10 degrees lower (flatter) than the latitude of the site.



Example: Sydney's latitude is 34°. The optimum inclination is 10° lower, or 24°

GUIDE TO USE

The minimum inclination angle should be 10° to take allow rainfall to clean the modules. As a guide, the following table summarizes the optimal inclination for Australian capital cities.

City	Latitude	Optimal inclination
Canberra	35°	25°
Hobart	48°	38°
Darwin	12°	10° (minimum)
Adelaide	35°	25°
Perth	32°	22°
Brisbane	27°	17°
Melbourne	37°	27°
Sydney	34°	24°

STAND ALONE SYSTEMS

Stand alone systems seek to maximize the energy generated in the winter months. These systems should be more steeply inclined, at latitude + 15 degrees.

REFERENCE

This general rule is derived from the "Your Home Technical Manual":

http://www.yourhome.gov.au/technical/fs67.html

COMPLIANCE WITH CEC GUIDELINES

This advice complies with CEC guidelines, as stated in the CEC's System Installation Guidelines for Accredited Installers and Supervisors, Issue 6, September 2010.

For best year-round performance, a fixed PV array should be mounted facing true north (± 10°) at an inclination equal to the latitude (± 10°) angle or at an angle that will produce the best annual average performance taking into consideration: seasonal cloud patterns, local shading and environmental factors.

FURTHER INFORMATION

For further information contact Apollo Energy on 1300 855 484 or info@sunlock.com.au.