ROOF ASSESSMENT CHECKLIST

Free companion tool to Chapter 3: Panels and Placement

Property: _____ **Date:** _____

Use one column per roof face that could take panels. You'll need a phone compass app, a tape measure and a camera.

1. Roof faces

	Face A	Face B	Face C
Where is it? (e.g. front, above garage)			
Direction it faces	☐ Towards equator ☐ 45° off equator ☐ East ☐ West ☐ Away ☐ Flat	☐ Towards equator ☐ 45° off equator ☐ East ☐ West ☐ Away ☐ Flat	☐ Towards equator ☐ 45° off equator ☐ East ☐ West ☐ Away ☐ Flat
Compass bearing	_____ °	_____ °	_____ °
Pitch (slope)	☐ Flat (0–5°) ☐ Gentle (5–20°) ☐ Medium (20–35°) ☐ Steep (35°+)	☐ Flat (0–5°) ☐ Gentle (5–20°) ☐ Medium (20–35°) ☐ Steep (35°+)	☐ Flat (0–5°) ☐ Gentle (5–20°) ☐ Medium (20–35°) ☐ Steep (35°+)
Usable area (clear of edges, vents, skylights)	___ m × ___ m = _____ m²	___ m × ___ m = _____ m²	___ m × ___ m = _____ m²
Approx. panels (area ÷ 2.7 m²)	_____ panels	_____ panels	_____ panels
Roof covering	☐ Metal sheeting ☐ Concrete tile ☐ Clay tile ☐ Flat concrete ☐ Other	☐ Metal sheeting ☐ Concrete tile ☐ Clay tile ☐ Flat concrete ☐ Other	☐ Metal sheeting ☐ Concrete tile ☐ Clay tile ☐ Flat concrete ☐ Other

2. Other places for panels

Option	Area	Notes (shade, access, approvals)
☐ **Ground-mount frame**	_____ m²	
☐ **Carport (a double carport gives about 30–35 m²)**	_____ m²	
☐ **Pergola**	_____ m²	

3. Roof condition

Check from outside and inside the roof space. Any **Yes** means getting it checked before panels go on (Chapter 3, section 3.6).

	Yes	No		Yes	No
Sagging roofline, ridge or gutters	☐	☐	**Damaged, rotten or termite-affected timbers**	☐	☐
Rust, holes or loose fixings in sheeting	☐	☐	**Roof due for repaint or replacement within 5–10 years**	☐	☐
Cracked, broken or brittle tiles	☐	☐	**Tall, exposed building, or high-wind area**	☐	☐
Water stains on ceilings, or leaks	☐	☐	**Tilting frames or ballast planned on a flat roof**	☐	☐

4. Summary

Total usable area	_____ m²	**Panels needed (PV Calculator)**	_____ panels
Panels that fit (area ÷ 2.7 m²)	_____ panels	**Room to spare, or shortfall**	_____ panels
Array size that fits (panels × 0.6 kW)	_____ kW	**Room for 20–30% extra panels?**	☐ Yes ☐ No

Panel areas assume a modern 600 W panel of about 2.38 × 1.13 m. Leave a gap from roof edges as your installer and local rules require.

SHADING LOG

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At each time, look at each roof face and mark: **0** = in full sun, **½** = partly shaded, **1** = fully shaded. Shadows are much longer in winter, so fill in both columns if you can. If you can't wait for winter, remember the winter sun sits lower and further towards the equator.

Time	Face A summer	Face A winter	Face B summer	Face B winter	Face C summer	Face C winter
7 am						
8 am						
9 am						
10 am						
11 am						
12 noon						
1 pm						
2 pm						
3 pm						
4 pm						
5 pm						

What causes the shade? ☐ Trees ☐ Chimney ☐ Neighbouring building ☐ Satellite dish or vent pipe ☐ Overhead cables ☐ Other: _____

Sketch your roof

Draw the roof faces, mark north (or south), and sketch anything that casts a shadow: trees, chimneys, neighbouring buildings.