

# Sun Shelter Solar Battery Covers

## ***Built for the Harsh Aussie Sun***



### Key Features

- **High-Strength Aluminum Alloy Frame-** Rigid and corrosion-resistant.
- **Polycarbonate (PC) Sunlight Panel –** Lightweight and impact-resistant.
- **Outstanding UV Protection.** UV blocking rate  $\geq 99\%$ , fully blocks 280-400nm UV. Build for Australia's extreme sun exposure.
- **Solar shading Efficiency.** SC 0.4-0.5, reduces glare and heat.
- **Heat Control.** g-value 0.3-0.4, only 30- 40% solar heat passes through.
- **Outdoor Durability.** After 4000 hours accelerated UV aging, yellowing Index change  $\Delta YI \leq 2$ , tensile strength retention  $\geq 85\%$ . Designed for long-term outdoor use with strong resistance to yellowing and embrittlement.
- **Thermal Insulation.** (K-value): Approximately  $2.35 \text{ W}/(\text{m}^2 \cdot \text{K})$ . The hollow structure of the honeycomb core further enhances thermal insulation performance.
- **Service life:** 10 years Anti-Aging Design.
- **Easy Installation and removable front panel for battery service and maintenance**



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