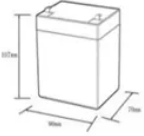

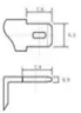


How efficient are soft photovoltaic panels

12.8V6Ah

- Nominal voltage (V):12.8
- Nominal capacity (Ah):6
- Rated energy (Wh):76.8
- Maximum charging voltage (V):14.6
- Maximum charging current (A):6
- Floating charge voltage (V):13.6~13.8
- Maximum continuous discharge current (A):10
- Maximum peak discharge current @10 seconds (A):20
- Maximum load power (W):100
- Discharge cut-off voltage (V):10.8
- Charging temperature (°C):0~+50
- Discharge temperature (°C):-20~+60
- Working humidity: <95% RH (non condensing)
- Number of cycles (25 °C, 0.5c, 100%DoD): >2000
- Cell combination mode: 32700-4s1p
- Terminal specification: T2 (6.3mm)
- Protection grade: IP65
- Overall dimension (mm):50*70*107mm
- Reference weight (kg):0.7
- Certification: un38.3/moss

Overview

Modern panels reach 18–23% efficiency. That means they convert about one-fifth of sunlight into usable power. But efficiency is only part of the story. Real-world performance changes with temperature, shading, tilt angle, and even the quality of the inverter or battery.



Article Content

efficient

Adjective efficient (comparative more efficient, superlative most efficient) Making good, thorough, or careful use of resources; not consuming extra. Especially, making good use of time or

Efficient

Effective and efficient are often confused, but they have slightly different meanings. If you are effective, you do a job properly; if you are efficient, you do it quickly and easily.

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efficient /ɪ ˈfɪʃənt/ adjective Britannica Dictionary definition of EFFICIENT [more efficient; most efficient] : capable of producing desired results without wasting materials, time, or energy

[Solar Panel Efficiency: What Those Numbers Actually](#)

Modern panels reach 18-23% efficiency. That means they convert about one-fifth of sunlight into usable power. But efficiency is only part of the

efficient adjective

Definition of efficient adjective in Oxford Advanced Learner's Dictionary. Meaning, pronunciation, picture, example sentences, grammar, usage notes, synonyms and more.

EFFICIENT Definition & Meaning

Efficient most often describes what is capable of producing desired results without wasting materials, time, or energy. While the word can be applied to both people and things, it is far more commonly

Efficient

When you want to define the adjective efficient, it's a good idea to say as much as you can in as few words as possible because to be efficient is to be economical and avoid waste in actions or uses.

efficient

WordReference Random House Learner's Dictionary of American English © 2025
ef•fi•cient /ɪ'fɪʃənt/ adj. performing or functioning effectively with the least waste of time and effort; competent: an efficient

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.global-padel.co.za>

Email: info@global-padel.co.za

Phone: +27 63 918 4725

Address: 22 Bree Street, Cape Town City Centre, 8001, South Africa

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