

LiFePO₄
POWER YOUR DREAM

Specs

Rated Voltage: 12.8V
Rated Capacity: 200Ah
Max. Charging Voltage: 14.2V
Max. Discharge Current: 200A
Max. Charging Current: 20A
Max. Discharge Current: 200A

Caution

Read all the instructions in Battery
Do not short circuit
Do not open the battery
Do not use the battery in a fire
Do not use the battery in a high temperature environment
Do not use the battery in a high humidity environment
Do not use the battery in a high pressure environment
Do not use the battery in a high vibration environment

12.8V200Ah 2560Wh

Recycling symbol, CE mark, and a crossed-out trash can symbol.



Overview

These specifications involve maximum DC input voltage, maximum PowerPoint tracking (MPPT), maximum DC input current, startup voltage, and maximum number of DC inputs. What are solar inverter specifications?

Solar inverter specifications tell us about the inverter's power, how well it works, and its safety features. They help us choose the right inverter for our solar panels and devices. The inverter changes the direct current (DC) from solar panels into the power we can use at home or work.

What is a solar inverter start-up voltage specification?

It is important to ensure that the current output of your panels does not surpass this limit to avoid overloading the inverter. The start-up voltage specification refers to the minimum voltage required for the solar inverter to begin functioning.

What is the power factor of a solar inverter?

The power factor shows how well the inverter changes solar power to usable power. A high power factor highlights the inverter's strength in keeping power stable. This is vital for using many devices at once without problems. The inverter efficiency determines how much solar energy turns into useful power.

How many DC inputs can a solar inverter support?

Some solar inverters support multiple DC inputs, allowing you to connect several strings or arrays of solar panels. The maximum number of DC inputs specification informs you of the inverter's capacity to accommodate multiple inputs, which can benefit larger solar panel installations.

Do solar inverters need a nighttime power consumption specification?

Solar inverters require a small amount of power to operate, even during nighttime or when solar energy is not generated. The nighttime power

consumption specification informs you about the inverter's power draw during idle periods, allowing you to assess its energy usage when not producing electricity.

How efficient are solar inverters?

As power is processed and converted from one shape to another, the solar inverters are expected to perform these tasks with the highest possible efficiency. This is because we wish to deliver maximum PV generated power to the load or the grid. Typical efficiencies are in the range of more than 95% at rated conditions specified in the datasheet.

Inverter power specifications



Energy Storage Inverter: Technical Specifications and Barriers

1. Main Technical Specifications Photovoltaic Side Maximum Input Voltage & MPPT: Common inverters support a maximum input voltage of 580-600V, with an MPPT range of 60-550V, ...

Interpreting inverter datasheet and main parameters , AE 868

Inverter and ambient conditions In most applications, the solar inverters are exposed to ambient conditions such as solar radiation, temperature, and humidity. Inverters must comply with the ...



Power Inverter Manufacturer with OEM/ODM Expertise

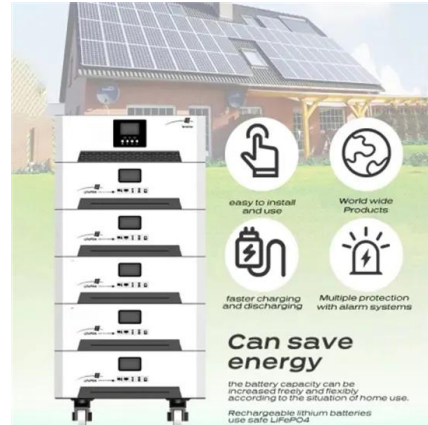
1 day ago · Power Inverter Specifications: Input and Output Voltages Our products are designed to meet diverse power needs across various markets. The MCC series power inverters ...

Technical notes on output rating, operating temperature

...

May 15, 2018 · An even better approximation is obtained if a factor is added to (1) to account for

the no-load power consumption or no-load power dissipation. The no-load power consumption ...



Complete Guide to Inverter Batteries - NPP POWER

Oct 23, 2024 · Inverter batteries is a rechargeable battery built to supply backup power for inverters, which convert direct current (DC) into alternating current (AC). These batteries store ...

Energy Storage Inverter: Technical Specifications and Barriers

Off-grid output power is 90-92% of rated power, with inductive load starting at 1.5 times the rated power. Efficiency: Typically $\geq 97\%$, with some models like Huawei SUN2000-5KTL-L1 reaching ...



Interpreting inverter datasheet and main parameters , AE 868

While choosing an inverter for your PV system, what are the requirements for a good solar inverter? Inverters are designed to operate within a voltage range, which is set by the ...



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Essential Inverter Specification for Solar Guide

Jan 9, 2024 · Solar inverters convert DC electricity from solar panels into AC electricity for use in homes and businesses. Important inverter specifications ...



How to Read Solar Inverter Specifications

5 days ago · Understanding the specifications of a solar inverter is essential to ensure optimal performance and compatibility with your solar panel system. This article will explore the key ...



Powerwall 3 Datasheet

Jun 28, 2025 · Powerwall 3 has the ability to store up to 13.5 kWh of energy and start heavy loads rated up to 185 A LRA, meaning a single Powerwall 3 can support the power needs of most ...

How to Read Solar Inverter Specifications: A ...

Jun 5, 2024 · What are the key specifications to consider when evaluating a solar inverter? Why is understanding solar inverter specifications important? What is ...



FLEXIBLE SETTING OF MULTIPLE WORKING MODES



Model sPeCiFiCations of inVerter

Jun 9, 2016 · As SPV array produce direct current electricity, it is necessary to convert this direct current into alternating current and adjust the voltage levels to match the grid voltage. ...

TECHNICAL SPECIFICATIONS OF HYBRID SOLAR PV ...

Feb 3, 2021 · 3. DEFINITION A Hybrid Solar PV power plant system comprises of C-Si (Crystalline Silicon)/ Thin Film Solar PV modules with intelligent Inverter having MPPT ...



TECHNICAL SPECIFICATIONS OF ON-GRID SOLAR PV ...

Feb 3, 2021 · 5. POWER CONDITIONING UNIT (PCU)/ INVERTER tring Inverter with power exporting facility to the Grid. The List of Inve ters under On-Grid category is attached as ...

5Kw Inverter: Its Working, Types, Features, ...

Oct 4, 2022 · Searching for 5kw Inverter in India? Click here for a detailed guide on 5kw Solar Inverter along with information on the product details, features, ...



Understanding Inverter Ratings and Specifications for Solar Power

6 days ago · Conclusion Understanding inverter ratings and specifications is essential for designing and optimizing solar power plants. By carefully considering these parameters, ...

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Uses 18V ONE+ Batteries for 150W of Convenient, Portable Power Connect RYi20SP to RYi150C to Solar Charge 18V ONE+ Batteries Over 300 ONE+ Products - All Work with Any RYOBI ...



Guide on Solar Inverter Types Capacities and Specifications

Specifications of a solar inverter impact the system's performance and its durability. By understanding these features, you can optimally use your solar inverter. Let's look at some ...

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