

What is an on-grid 5kW inverter?

An on-grid 5kw inverter is easy to maintain and converts the direct current to alternating current for powering domestic appliances and even commercial equipment. These solar inverters typically offer high efficiency of around 93% to 96%. Also, the warranty period of these inverters is around 5-10 years.

What is an on-grid solar inverter?

An on-grid solar inverter can also be called a converter: It converts unusable DC electricity to usable AC electricity. But, that's not all. It has many other functions to perform in a grid-tied solar system. Let's take a look at each of them! - Energy Conversion: Most households depend on AC electricity.

How much power can an inverter feed into a grid?

With the maximum continuous grid current of 8.5 A (per phase), the inverter has excellent overload capability and can feed up to 6 KW power into the grid at nominal grid voltage of 415 V (l-l). Zero residual current transformer-less topology and in-built Residual Current Monitoring Unit (RCMU) for enhanced safety.

Does inverter have WiFi and GSM integrated?

For connecting to internet, Inverter has both WiFi and GSM integrated: With WiFi connection provided to inverter by the end customer, free of cost remote monitoring by the manufacturer (through online server) is done. In case WiFi connection is not available for the inverter, remote monitoring can still be done using the GSM.

What is the current THD of an inverter?

Current THD is as low as 4.0 % at rated load even with distorted grid voltage (grid voltage THD greater than 2.5 %) and less than 3.0 % at rated load with ideal grid voltage. If needed, inverter can provide grid support at any time (even during night) through reactive power compensation.

What is a type III SPD in a PV inverter?

Continuous Output Current (A) 1000 Vdc type-III SPD on the PV string and 350 Vac (per phase) type-III SPD on the grid side are integrated in the inverter. { Type-II SPD on the PV side with DC voltage rating less than or equal to 1000 Vdc and greater than the expected PV string voltage.



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