



Danimex Solar Power

3000W & 5000W Solar Power Packages

Our 3000W and 5000W Solar Packages provide reliable and efficient off-grid power solutions, ideal for homes, businesses, and remote locations. Both systems are built around high-quality polycrystalline solar panels, ensuring optimal energy conversion even in moderate sunlight conditions.

Each package includes an all-in-one MPPT charge controller, inverter, and charger, designed to maximise energy efficiency while providing seamless power conversion and battery management. The system is complemented by AGM batteries housed in a sturdy rack, offering maintenance-free energy storage with excellent cycle life and reliability.

- » 3000W Package: Ideal for moderate energy needs, capable of powering essential appliances and small-scale operations.
- » 5000W Package: Designed for higher energy demands, supporting larger appliances, extended usage, and increased power autonomy.

Both packages offer a robust, plug-and-play solution for sustainable energy independence.



Examples of Use

3000W: The solar kit can power:



Small Office

A base for coordination, planning, and communication.
Supports administrative tasks in a small learning or outreach centre.



Small Clinic

Powering primary health checks and basic treatment.
Operates in isolated or low-resource settings to deliver essential care.



Small/medium House

A living space with essential energy needs.
Safe and comfortable space for families.



Learning Centre

Powering education, awareness-raising, and skills-building environment.
Informal learning or training hub.

5000W: The solar kit can power:



Smaller warehouse

Storage and distribution of supplies and equipment.
Regional base for managing materials and resources.



Community Kitchen

Nutrition, social connection, and food preparation.
Provides meals, meeting space, and support in challenging conditions.



Internet Café

Providing access to information, communication, and digital tools.
Supports digital inclusion, remote learning, and enables individuals to stay connected.

Specifications

	3000	5000
Maximum Solar Charging Power	3300 Watts	4950 Watts
Maximum Inverter Power	2400Watts continuous output power, Peak power 5500Watts	4000Watts continuous output power, Peak power 9000Watts
Panel Dimensions	One 330W Panel: 1980 x 1002 x 40mm The footprint of 5 panels are 630cm x 198cm. 2 of these are needed to get 10 panels in total.	One 330W Panel: 1980 x 1002 x 40mm The footprint of 5 panels are 630cm x 198cm. 3 of these are needed to get 15 panels in total.
Battery Rack Dimensions	112W x 60D x 103H cm	112W x 60D x 144H cm
Battery Capacity	8x 12V 220Ah batteries connected to be 48V 440Ah in total.	12x 12V 220Ah batteries connected to be 48V 660Ah in total.
Weight Battery	65 kg per battery, 520kg in total.	65 kg per battery, 780kg in total.
Weight Panel	23 Kg	23 kg
Estimated max constant power usage with sun as the only source.	600W	1000W

Can be connected to grid power and work as a UPS or connected to a generator to help charge during bad weather

