

POWER EEZ

a division of Ecomed Medical (Pty) Ltd

SOLAR PACKAGES



5KW SOLAR SYSTEM Single Phase

- ✓ 1 x 5kW DEYE Hybrid Inverter
- ✓ 1 x 5.12kW Ganfeng Lithium Battery
- ✓ 6 x 545W Solar Panels
- ✓ Installation
- ✓ Certificate of Compliance



The above is our standard solar package.
Alternate solutions are available to meet any requirements.



Appliance consumption indicator:

☀ Under optimal sun conditions:
6 solar panels

- 1 Fridge (± 250 watts)
- 1 Freezer (± 150 watts)
- 1 Television Set (± 150 - 300 watts)
- 1 Wifi Router (± 50 watts)
- 1 Laptop / Computer (± 60 - 300 watts)
- 10 - 15 LED Lights (Each bulb ± 10 - 15 watts)
- 1 Kettle / Toaster* (± 1000 watts)
- 1 Microwave* (± 1000 watts)
- 1 Washing Machine* (± 500 watts)

🔋 Under battery conditions over 4 hours:
1 battery

- 1 Fridge (± 250 watts)
- 1 Freezer (± 150 watts)
- 1 Television Set (± 150 - 300 watts)
- 1 Wifi Router (± 50 watts)
- 1 Laptop / Computer (± 60 - 300 watts)
- 10 - 15 LED Lights (Each bulb ± 10 - 15 watts)

*Max of 2 heating appliances simultaneously.

*Kettle and microwave - use no more than 10 minutes per hour.



8KW SOLAR SYSTEM Single Phase

- ✓ 1 x 8kW DEYE Hybrid Inverter
- ✓ 2 x 5.12kW Ganfeng Lithium Batteries
- ✓ 12 x 545W Solar Panels
- ✓ Installation
- ✓ Certificate of Compliance



The above is our standard solar package. Alternate solutions are available to meet any requirements.

Appliance consumption indicator:

Under optimal sun conditions:
6 solar panels

- 2 Fridge (± 250 watts)
- 1 Freezer (± 150 watts)
- 1 Television Set (± 150 - 300 watts)
- 1 Wifi Router (± 50 watts)
- 1 Laptop / Computer (± 60 - 300 watts)
- 10 - 15 LED Lights (Each bulb ± 10 - 15 watts)
- 1 Pool Pump - max 2hrs (± 400 watts)
- 1 Kettle / Toaster* (± 1000 watts)
- 1 Microwave* (± 1000 watts)
- 1 Washing Machine* (± 500 watts)

Under battery conditions over 4 hours:
1 battery

- 1 Fridge (± 250 watts)
- 1 Freezer (± 150 watts)
- 1 Television Set (± 150 - 300 watts)
- 1 Wifi Router (± 50 watts)
- 1 Laptop / Computer (± 60 - 300 watts)
- 10 - 15 LED Lights (Each bulb ± 10 - 15 watts)
- 1 Pool Pump - max 2hrs (± 400 watts)

*Max of 2 heating appliances simultaneously.

*Kettle and microwave - use no more than 10 minutes per hour.

10KW SOLAR SYSTEM Single Phase


- ✓ 2 x 5kW DEYE Hybrid Inverter
- ✓ 3 x 5.12kW Ganfeng Lithium Batteries
- ✓ 16 x 545W Solar Panels
- ✓ Installation
- ✓ Certificate of Compliance



The above is our standard solar package.
Alternate solutions are available to meet any requirements.



Appliance consumption indicator:

 Under optimal sun conditions:
6 solar panels

2 Fridge (± 250 watts)
1 Freezer (± 150 watts)
2 Television Set (± 150 - 300 watts)
1 Wifi Router (± 50 watts)
2 Laptop / Computer (± 60 - 300 watts)
20 - 25 LED Lights (Each bulb ± 10 - 15 watts)
1 Pool Pump (± 400 watts)
1 Kettle / Toaster* (± 1000 watts)
1 Microwave* (± 1000 watts)
1 Washing Machine* (± 500 watts)
1 150L Geyser (± 1KW)

 Under battery conditions over 4 hours:
1 battery

2 Fridge (± 250 watts)
1 Freezer (± 150 watts)
2 Television Set (± 150 - 300 watts)
1 Wifi Router (± 50 watts)
2 Laptop / Computer (± 60 - 300 watts)
20 - 25 LED Lights (Each bulb ± 10 - 15 watts)
1 Pool Pump (± 400 watts)
1 Kettle / Toaster* (± 1000 watts)
1 Microwave* (± 1000 watts)
1 Washing Machine* (± 500 watts)

*Max of 2 heating appliances simultaneously.

*Kettle and microwave - use no more than 10 minutes per hour.



12KW SOLAR SYSTEM 3-Phase

- ✓ 1 x 12kW DEYE Hybrid Inverter
- ✓ 4 x 5.12kW Ganfeng Lithium Batteries
- ✓ 24 x 545W Solar Panels
- ✓ Installation
- ✓ Certificate of Compliance



The above is our standard solar package. Alternate solutions are available to meet any requirements.

Appliance consumption indicator:

Under optimal sun conditions:
6 solar panels

2 Fridge (± 250 watts)
 1 Freezer (± 150 watts)
 2 Television Set (± 150 - 300 watts)
 1 Wifi Router (± 50 watts)
 2 Laptop / Computer (± 60 - 300 watts)
 20 - 25 LED Lights (Each bulb ± 10 - 15 watts)
 1 Pool Pump (± 400 watts)
 1 Kettle / Toaster* (± 1000 watts)
 1 Microwave* (± 1000 watts)
 1 Washing Machine* (± 500 watts)
 1 150L Geyser (± 1KW)
 1 Air Conditioning System (± 1KW)

Under battery conditions over 4 hours:
1 battery

2 Fridge (± 250 watts)
 1 Freezer (± 150 watts)
 2 Television Set (± 150 - 300 watts)
 1 Wifi Router (± 50 watts)
 2 Laptop / Computer (± 60 - 300 watts)
 20 - 25 LED Lights (Each bulb ± 10 - 15 watts)
 1 Kettle / Toaster* (± 1000 watts)
 1 Microwave* (± 1000 watts)
 1 Washing Machine* (± 500 watts)
 1 150L Geyser (± 1KW)
 1 Air Conditioning System (± 1KW)

*Max of 2 heating appliances simultaneously.

*Kettle and microwave - use no more than 10 minutes per hour.

16KW SOLAR SYSTEM Single Phase


- ✓ 2 x 8kW DEYE Hybrid Inverter
- ✓ 4 x 5.12kW Ganfeng Lithium Batteries
- ✓ 24 x 545W Solar Panels
- ✓ Installation
- ✓ Certificate of Compliance



The above is our standard solar package.
Alternate solutions are available to meet any requirements.



Appliance consumption indicator:

 Under optimal sun conditions:
6 solar panels

 Under battery conditions over 4 hours:
1 battery

2 Fridge (± 250 watts)
1 Freezer (± 150 watts)
2 Television Set (± 150 - 300 watts)
1 Wifi Router (± 50 watts)
2 Laptop / Computer (± 60 - 300 watts)
20 - 25 LED Lights (Each bulb ± 10 - 15 watts)
1 Pool Pump (± 400 watts)
1 Kettle / Toaster* (± 1000 watts)
1 Microwave* (± 1000 watts)
1 Washing Machine* (± 500 watts)
1 150L Geyser (± 1KW)
1 Air Conditioning System (± 1KW)

2 Fridge (± 250 watts)
1 Freezer (± 150 watts)
2 Television Set (± 150 - 300 watts)
1 Wifi Router (± 50 watts)
2 Laptop / Computer (± 60 - 300 watts)
20 - 25 LED Lights (Each bulb ± 10 - 15 watts)
1 Kettle / Toaster* (± 1000 watts)
1 Microwave* (± 1000 watts)
1 Washing Machine* (± 500 watts)
1 150L Geyser (± 1KW)
1 Air Conditioning System (± 1KW)

*Max of 2 heating appliances simultaneously.

*Kettle and microwave - use no more than 10 minutes per hour.




24KW SOLAR SYSTEM 3-Phase

- ✓ 2 x 12kW DEYE Hybrid Inverter
- ✓ 6 x 5.12kW Ganfeng Lithium Batteries
- ✓ 32 x 545W Solar Panels
- ✓ Installation
- ✓ Certificate of Compliance



The above is our standard solar package.
Alternate solutions are available to meet any requirements.

Appliance consumption indicator:

 Under optimal sun conditions:
6 solar panels

2 Fridge (± 250 watts)
1 Freezer (± 150 watts)
2 Television Set (± 150 - 300 watts)
1 Wifi Router (± 50 watts)
2 Laptop / Computer (± 60 - 300 watts)
20 - 25 LED Lights (Each bulb ± 10 - 15 watts)
1 Pool Pump (± 400 watts)
1 Kettle / Toaster* (± 1000 watts)
1 Microwave* (± 1000 watts)
1 Washing Machine* (± 500 watts)
1 150L Geyser (± 2KW)
1 Air Conditioning System (± 2KW)

 Under battery conditions over 4 hours:
1 battery

2 Fridge (± 250 watts)
1 Freezer (± 150 watts)
2 Television Set (± 150 - 300 watts)
1 Wifi Router (± 50 watts)
2 Laptop / Computer (± 60 - 300 watts)
20 - 25 LED Lights (Each bulb ± 10 - 15 watts)
1 Kettle / Toaster* (± 1000 watts)
1 Microwave* (± 1000 watts)
1 Washing Machine* (± 500 watts)
1 150L Geyser (± 2KW)
1 Air Conditioning System (± 2KW)

*Max of 2 heating appliances simultaneously.

*Kettle and microwave - use no more than 10 minutes per hour.

5KW SOLAR SYSTEM Single Phase

- ✓ 1 x 5kW Lux Power Inverter
- ✓ 1 x 5.12kW Ganfeng Lithium Battery
- ✓ 6 x 545W Solar Panels
- ✓ Installation
- ✓ Certificate of Compliance



***This inverter does not feed back into the grid.**

The above is our standard solar package.
Alternate solutions are available to meet any requirements.



Appliance consumption indicator:

☀ Under optimal sun conditions:
6 solar panels

- 1 Fridge (± 250 watts)
- 1 Freezer (± 150 watts)
- 1 Television Set (± 150 - 300 watts)
- 1 Wifi Router (± 50 watts)
- 1 Laptop / Computer (± 60 - 300 watts)
- 10 - 15 LED Lights (Each bulb ± 10 - 15 watts)
- 1 Kettle / Toaster* (± 1000 watts)
- 1 Microwave* (± 1000 watts)
- 1 Washing Machine* (± 500 watts)

🔋 Under battery conditions over 4 hours:
1 battery

- 1 Fridge (± 250 watts)
- 1 Freezer (± 150 watts)
- 1 Television Set (± 150 - 300 watts)
- 1 Wifi Router (± 50 watts)
- 1 Laptop / Computer (± 60 - 300 watts)
- 10 - 15 LED Lights (Each bulb ± 10 - 15 watts)

*Max of 2 heating appliances simultaneously.

*Kettle and microwave - use no more than 10 minutes per hour.

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For a solar set-up with more power, you may require:

①

More solar panels:

Adding more solar panels to your setup can help you generate more energy, reducing your reliance on battery storage.

②

A larger battery bank:

A larger battery bank is necessary to store excess energy generated by your solar panels for use during times when there is little or no sunlight.

③

A larger inverter:

A larger inverter will enable you to operate more appliances at once and supply higher power loads like air conditioners or pumps.

The size of your solar system should be based on your daily energy consumption and your unique energy needs and the number of load shedding hours per day.

A typical household requires a solar setup that can generate anywhere from 5 KW to 20 KW of power per day, depending on the average energy use.

It's important to consult with a professional installer and to conduct a thorough energy assessment to determine the most suitable number of solar panel, batteries and the size of the inverter. This will ensure that your system is optimized for your energy requirements and that you get the maximum value from your investment.

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