



Specifications of **KOOLHOME FREEZER** AND **KOOLPOWER PLAN**

IMPORTANT SAFETY NOTES

IMPORTANT: After transit where the freezer has been on its side or back, ensure that the freezer is in a level, upright position for 12 hours to allow compressor fluids to redistribute evenly before use.



KOOLBOKS
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KOOLHOME FREEZER

Table 1:

| Technical Specifications | | | | |
|--------------------------|----------------|----------------|----------------|----------------|
| Type | Solar Freezers | | | |
| Model | BD-110 | BD-158 | BD-210 | BD-540 |
| Capacity | 110L | 158L | 210L | 540L |
| Ice Battery | Yes | Yes | Yes | Yes |
| Insulation Thickness | 65mm | 100mm | 100mm | 65mm |
| Cooling Type | Direct Cooling | Direct Cooling | Direct Cooling | Direct Cooling |
| Colour | white | white | white | white |
| Moveable Wheels | Yes | Yes | Yes | Yes |
| Handle | Yes | Yes | Yes | Yes |
| Lock&Key | Yes | Yes | Yes | Yes |
| Basket/Meshes | 1pcs | 1pcs | 1pcs | 1pcs |
| Net weigh | 30kg | 38kg | 43kg | 65kg |
| Gross weigh | 32kg | 40kg | 45kg | 70kg |
| Machine dimension | 520×520×845mm | 850×635×845mm | 1100×635×845mm | 1540×675×845mm |
| Packing dimension | 562×570×880mm | 900×690×880mm | 1150×690×880mm | 1615×730×880mm |
| Voltage | 12V/24V | 12V/24V | 12V/24V | 12V/24V |
| Refrigerant | R600a | R600a | R600a | R600a |
| Rated Power | 75W | 86W | 100W | 180W |
| Power consumption | 0.8KW/24 | 0.9KW/24 | 1KW/24 | 2.5KW/24 |

KoolPower Plan

Table 2: Technical Specification

| S/N | ITEM | Quantity |
|-----|---------------------------------|----------|
| 1 | 850VA INVERTER | 1 |
| 2 | 220Ah BATTERY (Tubular) | 1 |
| 3 | SOLAR PANELS (150W) | 4 |
| 4 | Charge Controller(12V,60A) | 1 |
| 5 | Panel Racks | 2 |
| 6 | Koolhome Freezer (158L or 210L) | 1 |

The 2.37kWH KoolPower Plan is capable of powering AC Loads of 310W for 12hours/day, **Table 3** shows a list of the loads to be powered with their corresponding wattage.

Table 3: Loads and Wattage

| Item | Quantity | Rating (W) | Total Rating (W) |
|--------------|----------|------------|------------------|
| TV | 1 | 50 | 50 |
| Decoder | 1 | 15 | 15 |
| Fan | 1 | 70 | 70 |
| Bulb | 5 | 5 | 25 |
| Laptop | 1 | 50 | 50 |
| Freezer (DC) | 1 | 100 | 100 |
| Total | | | 310 |