



NUHOME 45

45 KWh per day

The NuHome45 is an energy storage system which uses a combination of solar, battery and grid energy to supply the household loads. Solar and battery energy are used as first priority with the grid only used as a last resort should the battery be depleted or in times of prolonged cloud cover. Most households are more energy intensive in the evening and early morning. Stored energy in the battery is used to supply these loads and solar energy is used the next day to replenish the battery energy used in the previous night. During the daytime, the energy from the solar inverter is supplied directly to the loads such as pool pump, geyser, and fridge. Any surplus power is used to recharge the battery.

The NuHome45 uses a 28kWh lithium battery with daily usable energy of 22.4kWh. This means during the evening you can use up to 22.4kWh from the battery. In the event that you need more than 22.4kWh of night time energy, this shortfall will be drawn from the grid. The NuHome45 will generate on average 45kWh per day from the solar PV modules. A portion (22kWh) of this yield will go to charging the battery, with the remainder (23kWh) available for daytime loads.

Customers will soon see the benefit of using energy intensive appliances during the day time, harnessing the free energy from the sun. This behavioural change reduces the burden on the battery at night and produces savings on grid energy.

We recommend putting your geyser on a timer to heat it during daytime hours as to limit the amount of power drawn from the battery during the evenings...don't worry, you will still have warm water as the geyser retains heat quite effectively.

- + 32x 340Wp Solar Modules
- + 1 x Victron Multiplus II 48/10000 Inverter/Charger
- + 1 x Victron Smartsolar MPPT 250/100 Tr
- + 1 x Victron CCGX
- + 1 x 28kWh LiFePO4 Battery
- + Warranty & guarantee
- + Maintenance & Technical Support
- + Insurance



www.nuhome.app