

**Kodak VMIII Lithium Ion Solar Kit - 5kW/4.8kWh Storage/2kWp Solar R67 590.00**



Lithium ion batteries have the advantage over traditional lead acid in that they can be cycled many times more and can be discharged deeper while maintaining a decent battery life..

This Kit Includes:

- 1 x Axpert Voltronics VMIII Solar Inverter (Kodak branded)
- 1 x Battery Pylon Cable Pack
- 6 x 335 Canadian Solar PV modules
- 1 x Complete mounting kit (select roof type on checkout)
- 2 x Pylon battery brackets
- 2 x Pylontech Pylon US2000 2.4kwh Li-ion Battery – 3.8kWh usable
- 1 x MC4 Connector & Splitter Twin Pack ( Kit 1 )
- 1 x K&N Dual String DC Switch Disconnect or 25A 220V – 11A 460V (per string)
- 1 x 4mm<sup>2</sup> single-core 50m cable- Black
- 1 x 4mm<sup>2</sup> single-core 50m cable - Red

For those not overly familiar with solar power, this kit can store around 3.8 Units of electricity in the batteries. This means that at night when there is no sun, you could watch a 300W TV for about 10 hours before the batteries went flat (300W x 12 hours = 3600Whrs = 3.6 Units of electricity)

You could run 40 x 5W LED globes for 15 hours (5W x 40 x 18 hours = 3600Whrs = 3.6 Units of electricity). During the day, the solar panels can produce up to 2.80 kW's in full sunlight (6 x 340W = 2.04kW). Assuming 5 full "sun hours" in a day you would produce up to 10 units of electricity. The panels will first charge the batteries and after that will add whatever power they can produce to your grid, so you may be able to run off up to 100% solar power during daylight hours, depending on weather conditions. At night the batteries will discharge until they reach a defined, pre-set

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