
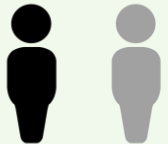

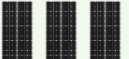




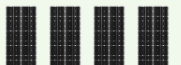


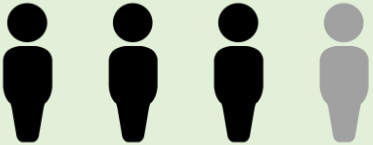

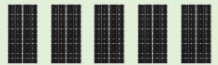
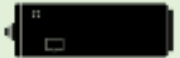



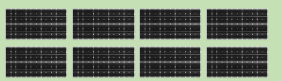
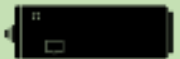



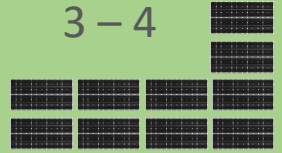
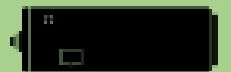


Elon kit easy selection guide

Number of solar PV modules	Showers per day*	50%+ of daily hot water use provided for how many people?	How many people off-grid for hot water?	Solar PV array size (kW _p)	Matching geyser element size (kW)	Geyser (water tank) size (litres)
3 modules				1 – 1.2 	4 or 3	100 - 200 
4 modules				1.2 – 1.6 	3 or 2	100 - 200 
5 modules				1.5 – 2 	2	150 – 300 
8 modules				2.4 – 3.2 	4	150 – 300 
10 modules				3 – 4 	4	200+ 

* 6-minute showers at 40 °C with 8 litre/min (low-flow) showerheads

Typical kit contents

Solar PV modules	Modules detail	Element & thermostat	Common components
3	1 string of 3 x 72- or 144-cell modules	4 or 3 kW element & VKF-11 or TSE or Thermowatt thermostat	<ul style="list-style-type: none"> • Elon 100 with controller, controller wire, element adapter and thermostat bridging wire • Mounting kit (corrugated/IBR or tile) • Solar cabling (4 mm² or larger) • Earth cabling (6 mm² bare copper) • MC4 connectors • 8-way distribution board (DB) • 2-pole DC circuit breaker (16A for one solar PV string; 32A for two strings) OR DC isolator + fuse • Non-insulated ring lugs x 3 <p>* For high lightning strike density areas (such as parts of Gauteng and Mpumalanga), a Surge Protection Device (SPD) is required: 220V DC Surge Protection Device (SPD), Type 2. Refer to Appendix F in the Installation Manual for more details.</p>
4	1 string of 4 x 72- or 144-cell modules	3 or 2 kW element & VKF-11 or TSE or Thermowatt thermostat	
5	1 string of 5 x 72- or 144-cell modules	2 kW element & VKF-11 or TSE or Thermowatt thermostat	
8	2 strings of 4 x 72- or 144-cell modules (8 modules)	4 kW element & VKF-11 or TSE or Thermowatt thermostat	
10	2 strings of 5 x 72- or 144-cell modules (10 modules)	4 kW element & VKF-11 or TSE or Thermowatt thermostat	

Maximum allowed solar PV array specifications at Standard Test Conditions (STC): $I_{sc} < 20A$ $V_{oc} < 250V$ **Power < 4 kW_p**