
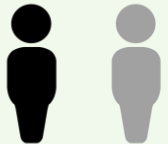

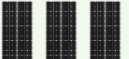




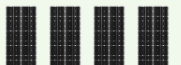


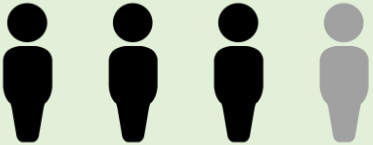

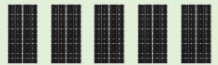
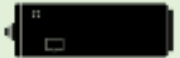



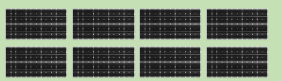
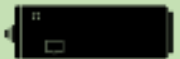



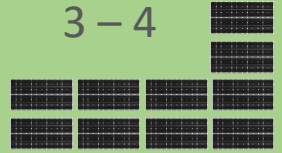
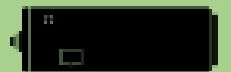


# Elon<sup>®</sup> kit easy selection guide

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 <sub>p</sub> )	Matching geyser element size (kW)	Geyser (water tank) size (litres)
3 modules				1 – 1.2 	<b>4 or 3</b>	100 - 200 
4 modules				1.2 – 1.6 	<b>3 or 2</b>	100 - 200 
5 modules				1.5 – 2 	<b>2</b>	150 – 300 
8 modules				2.4 – 3.2 	<b>4</b>	150 – 300 
10 modules				3 – 4 	<b>4</b>	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
<b>3</b>	1 string of 3 modules	4 or 3 kW element & VKF-11 or TSE or Thermowatt thermostat	<ul style="list-style-type: none"> <li>• Elon® 100 with controller, controller wire, element adapter and thermostat bridging wire</li> <li>• Mounting kit (corrugated/IBR or tile)</li> <li>• Solar cabling (4 mm<sup>2</sup> or larger)</li> <li>• Earth cabling (6 mm<sup>2</sup> bare copper)</li> <li>• MC4 connectors</li> <li>• 8-way distribution board (DB)</li> <li>• 2-pole DC circuit breaker (16A for one solar PV string; 32A for two strings) OR DC isolator + fuse</li> <li>• Non-insulated ring lugs x 3</li> </ul> <p>* For high lightning strike density areas (such as parts of Gauteng and Mpumalanga), a <b>Surge Protection Device (SPD) is required</b>: 220V DC Surge Protection Device (SPD), Type 2. Refer to Appendix F in the Installation Manual for more details.</p>
<b>4</b>	1 string of 4 modules	3 or 2 kW element & VKF-11 or TSE or Thermowatt thermostat	
<b>5</b>	1 string of 5 modules	2 kW element & VKF-11 or TSE or Thermowatt thermostat	
<b>8</b>	2 strings of 4 modules (8 modules)	4 kW element & VKF-11 or TSE or Thermowatt thermostat	
<b>10</b>	2 strings of 5 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<sub>p</sub>**