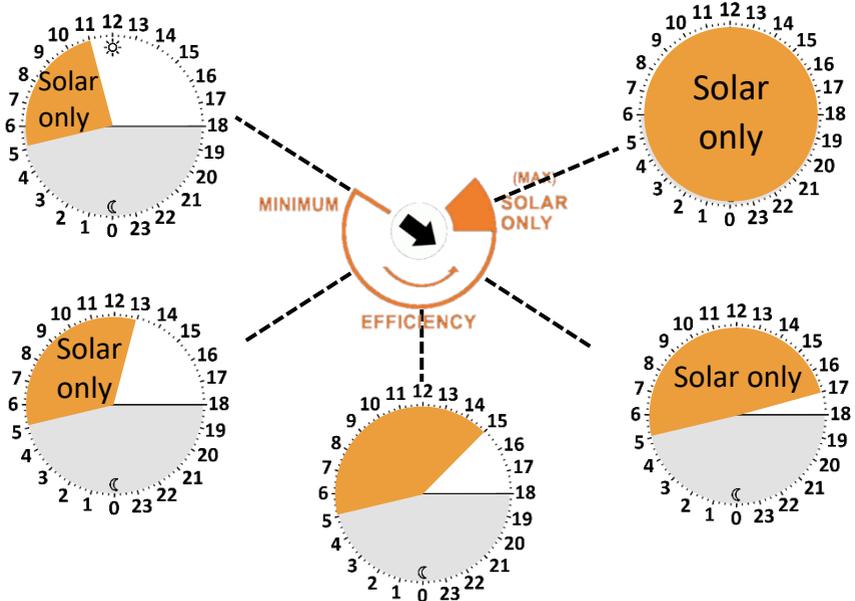


PowerOptimal Elon 100 Solar PV Water Heater Quick Reference Guide

How to set the efficiency on the Elon 100 controller



When there is too little sun:

Press the **override button** for **5 seconds** (until the red light starts flashing) to force the system to use grid (mains) electricity for one heating cycle.



Mains / solar indicator lights

The **Mains & Solar indicator lights** indicate the following conditions:

Lights	Meaning
 Mains (red) light flashing	Grid / mains electricity is being used to heat water
 Solar (green) light flashing	Solar power is being used to heat water. Rate of flashing indicates rate of solar energy supply
 Red & green alternating	No power is being supplied to the geyser element. (Either the water is on temperature already, or the unit is in solar mode and there is not sufficient sunlight)
 Red or green flashing very fast	Isolation fault (contact electrician)
 Red light ON	Solar power switched off (only grid power allowed to geyser). Press and hold override button for 15 seconds to switch solar power on or off. To switch off both solar and grid power , turn the dial to SOLAR ONLY and then switch off the solar power with the override button as described.
 Both lights OFF	No power to unit (e.g. no sun and a power failure, or no sun and geyser breaker at DB board is switched off)

How can I maximise my savings?

The best way to maximise your savings is to set the Elon efficiency dial to “SOLAR ONLY”. This will ensure that the unit will never use grid (mains) power for heating water. You can still boost with mains power (e.g. on a cloudy day) using the **override button** as described overleaf. If you do not have enough solar power for the number of people and overall level of hot water use in the household, you might not reach the desired water temperature with the “SOLAR ONLY” setting, and might need to reduce the efficiency setting, or reduce your hot water use. **The best time to shower for maximum savings is in the mornings.**

You can download a **full installation & user manual** on our website:



www.poweroptimal.com/manuals

You can also find an **online user instruction video** on our website:

V 1.33



www.poweroptimal.com/elon100

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