

PRODUCT SPEC SHEET

Geyser Gecko Hybrid Solar Controller

A hybrid solar controller that retrofits onto any standard electrical geyser, blending solar PV and grid power automatically to cut hot water electricity costs by 50–90%.

50–90%

Average savings

3–5 hrs

Install time

15 years

Panel guarantee

SANS XA

Compliant

Technical Specifications

Power inputs	AC (grid) and PV (solar), switched and blended automatically by the controller.
PV configuration	3 standard PV panels connected directly to the controller — no inverter or battery required.
Operating modes	AC, PV, MIX (blended), and OFF — selectable via the app or automatic.
Installation	Electrical only. No new geyser, no plumbing changes. Fits standard electrical geyser installations.
Compliance	SANS XA compliant. Installed only by Geyser Gecko certified installers.
Monitoring	Live temperature, solar vs. grid split, and rand savings via the Geyser Gecko app (iOS and Android).
Warranty	15-year output guarantee on PV panels. Standard manufacturer's warranty on the controller.
Indicators	On-unit LED status lights: Temp, AC In, AC Out, PV In, PV Out.

How It Works

1. Solar heats first — On a sunny day, PV panels power the geyser element directly, with no energy lost converting to AC and back.
2. Grid steps in automatically — On a cloudy day or when the tank has run low, the controller blends in grid power automatically. Hot water is never interrupted.
3. Full app control — Target temperature, schedules, and live solar/grid split and savings are all visible and adjustable from the Geyser Gecko app.

For installation training, bulk pricing for developments, or technical documentation, contact info@darkline.co.za.