



JB SOLAR
& ELECTRICAL

Solar Proposal

Prepared for Jared Knapp

72 Spion Kop Road

August 2026



Your System

11.33kW + 18kWh (17.5kWh usable)

Annual Savings: \$4,759

Battery: 18kWh LFP

Payback: 6.3 yrs

Investment: \$36,000



Your Solar Investment at a Glance

Estimated figures for 72 Spion Kop Road

\$4,759

Annual Savings

6.3 years

Payback Period

\$300,977

25-Year Value

15,862 kWh

Annual Generation

Monthly Impact

Estimated Monthly Power Bill

~\$529

Estimated Monthly Bill with Solar

~\$132

Monthly Savings

~\$397

Total Savings Over Time

Cumulative savings by the end of each milestone year

\$4,759

By end of Year 1

\$65,747

By end of Year 10

\$300,977

By end of Year 25

* Based on 7% annual electricity price inflation, 90% self-consumption, 12c/kWh export, power bought at 32c/kWh. System pays for itself in 6.3 years — a lifetime return of \$264,977.

New build — roof on, prewire in approx. 3 weeks. Battery stack is floor standing (850mm w x 260mm d); gateway is wall mounted (500 x 370 x 165). EV charger not included — adds off the AC side of the gateway later as a half-day job.

Pricing valid for 30 days from the date of this proposal. Beyond that we'll re-check it against current supplier costs before you commit — it may go up or down.



Your System Components

■ Solar Panels

Model	Trina Vertex S+
Type	N-Type Monocrystalline
Wattage	515W per panel
Quantity	22 panels
Total Capacity	11.3 kW
Product Warranty	25-year product warranty
Performance	30-year linear performance guarantee

■ Inverter

Model	SigEnergy Energy Controller 10kW Hybrid 3PH
Type	Hybrid three-phase (grid-tied with battery backup)
Output	10kW
Monitoring	Built-in WiFi with SigEnergy mySigen smartphone app
Gateway	SigEnergy Communication Gateway — cloud monitoring & remote control
Warranty	10-year manufacturer warranty

■ Battery Storage

Model	2 x SigEnergy SigenStor BAT 10.0
Capacity	18 kWh
Chemistry	Lithium Iron Phosphate (LFP)
Cycle Life	10,000 cycle life
Warranty	10-year manufacturer warranty

■ Mounting & Installation

Clenergy EzRack SolarRoof rail mounting system
All stainless steel fixings, brackets and flashings
Full electrical installation, AC switchgear and grid connection
Network pre-approval, compliance, certification and ROI for the meter change
SigEnergy mySigen app setup and monitoring training



What Happens Next

1

Design & Approval

We finalise your system design. Where a grid connection is involved, we secure network pre-approval before any work begins.

2

Deposit & Booking

Your deposit confirms the order and locks in your installation date — from here you can sit back.

3

Installation

Our team handles the full install and on-site commissioning — most systems in a single day — and walks you through it before we leave.

4

Testing & Compliance

We complete all electrical testing and issue a Certificate of Compliance (CoC), with independent inspection where required.

5

Switch On

Your system goes live, monitoring is set up, and you start generating your own power.

Why JB Solar & Electrical

Local & Full-Service

Mangawhai-based and serving Northland — one point of contact from design through to commissioning. No subcontractors.

Premium Components, Full Warranties

Tier-1 panels, inverter and LFP batteries only, backed by manufacturer warranties plus our 10-year workmanship cover.

Expandable & Supported

Add battery capacity to the same inverter whenever you like, with real-time monitoring and support a phone call away.

Ready to Go Solar?

Call Josh on 021 161 4366 or email josh@jbse.co.nz | Happy to talk it through.