

Private Luxury Camp – Kruger National Park



OFF-GRID 10.08 kW



Private luxury Lodge situated in the far northern area of the Kruger National Game Park. The camp has all the luxuries of high end modern living homes, consists of four modern luxury “tents” all equipped with the latest LED lighting, ceiling fans with automated blinds to form the 3 remaining walls. Sleeps a maximum of 8 persons, 2 per lodge.

The main lounge is equipped with a fine bar with fridges plus coffee makers and ceiling fans as well as LED lighting. Fully equipped Kitchen to prepare light lunches and snacks outside of the main meal times which are prepared by the main larger lodge.

Lapa with a medium sized swimming Pool which is powered by a standard pool pump and salt water chlorinator.

The drinking water is supplied from a bore hole, stored into 20 000 litres of tanks which also has a pressure pump to maintain pipe pressure.

The 10.08 kW Solar system and 55 kWh Aquion Hybrid Ion battery run camp entirely with the back up support of the 32 kVa generator. The battery storage installed has been sized to comfortably support the loads during overcast conditions before getting assistance from the generator.

Plant Size:

- Installed PV Power: 10.8 kWp
- Nominal Power of SMA Sunny Mini Central - 10 kWp
- Battery Inverter – Victron 16 kVA Quattro
- Battery Bank: 55 kWh Aquion Hybrid Ion
- Generator: Cummins 32 KVa Diesel

Information on the plant:

Location: Kruger National Park
 Operator: Private
 Planning and realisation: Solarsun Solutions (pty) Ltd
 Suppliers and support: SolarWorld and Sonx Energy

Equipment Installed:

- SolarWorld SW280 Mono Black
- Mounting - Solarworld Fix Plus 1 tilted frames
- Victron Quattro
- SMA Sunny Mini Central
- Battery Bank 55 kWh Aquion Hybrid Ion