

NuRa Energy Pty Ltd
ERF 11731 Old Main Road
1999/025581/07
Hluhluwe 3960



Reg no.

VAT no 4210193597

ERASMUS HOTEL – Hotel situated in Hluhluwe, Kwa-Zulu Natal (2023)

Grid-Connected Backup System.



Description:

NuRa Energy designed, installed, and commissioned a grid-connected backup system at a newly build hotel– Hluhluwe, Kwa-Zulu Natal.

This system consists of three Victron Energy 48V/15kVA Quattro Inverter/Charger. The inverter units convert DC voltage (from the battery and solar panels) into AC voltage to use normal household appliances. One Freedom Won 48V 40/32kWh Lithium-Ion Phosphate Battery (LiFePO4) is connected to the specified inverters.

Thirty-two Jinko Solar Panels (550Wp) were installed on the roof with an aluminium mounting system. The panels are connected to one Victron Energy 250V/100A BlueSolar MPPT Solar Charge Controller via a combiner box with overvoltage and overcurrent protectors to one 10kW Fronius Symo Pv Inverter to charge the battery and supply the load.

The system also has a Cerbo GX remote monitoring unit installed which when connected to an internet connection allows the system to be monitored and controlled remotely by installers and the client via the Victron Energy VRM application.

Price: R1 000 000.00 including VAT (2023)