



Suite D39A Platinum Mega Mall, Jahi, Abuja.
www.de-ebumars.com
08146121580, 08038681101
info@de-ebumars.com

D.E.I Solar Calculation Report

inverter_size: 2901.75 W

battery_count: 5

panel_count: 145

charger_controller: 2610.00 A

battery_setup: 1 in series, 5 in parallel

system_voltage: 12V

total_energy_demand: 9924.00 Wh

battery_bank_energy_capacity: 16440.00 Wh

daily_solar_energy_generation_needed: 20253.06 Wh/day

solar_panel_array_power: 31320.00 W

expected_system_losses: 8270.00 Wh

maximum_load_capacity: 1654.00 W