



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: 13170.26 W

Battery Count: 7

Panel Count: 8

Charger Controller: 18.00 A

Battery Setup: 1 in series, 7 in parallel

System Voltage: 12V

Total Energy Demand: 24444.00 Wh

Battery Bank Energy Capacity: 39312.00 Wh

Daily Solar Energy Generation Needed: 29450.60 Wh/day

Solar Panel Array Power: 216.00 W

Expected System Losses: 16805.25 Wh

Maximum Load Capacity: 7638.75 W