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D.E.I Solar Calculation Report

Inverter Size: 4.17 W

Battery Count: 8 Batteries

Panel Count: 2 Units

Charger Controller: 14.58 A

Battery Setup: 4 in series, 2 in parallel

System Voltage: 48V

Total Energy Demand: 12000.00 Wh

Battery Bank Energy Capacity: 19200.00 Wh

Daily Solar Energy Generation Needed: 15000.00 Wh/day

Solar Panel Array Power: 700.00 W

Expected System Losses: 8250.00 Wh

Maximum Load Capacity: 3750.00 W