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D.E.I Solar Calculation Report

inverter_size: 1977.14 W

battery_count: 2

panel_count: 53

charger_controller: 549.88 A

battery_setup: 2 in series, 1 in parallel

system_voltage: 24V

total_energy_demand: 8304.00 Wh

battery_bank_energy_capacity: 21456.00 Wh

daily_solar_energy_generation_needed: 12975.00 Wh/day

solar_panel_array_power: 13197.00 W

expected_system_losses: 6920.00 Wh

maximum_load_capacity: 1384.00 W