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## D.E.I Solar Calculation Report

Parameter	Value
Inverter Size	10.98 W
Battery Count	12 Battries
Panel Count	3604 Units
Charger Controller	976.08 A
Battery Setup	4 in series, 3 in parallel
System Voltage	48V
Total Energy Demand	73086.00 Wh
Battery Bank Energy Capacity	86256.00 Wh
Daily Solar Energy Generation Needed	609050.00 Wh/day
Solar Panel Array Power	46852.00 W
Expected System Losses	66058.50 Wh
Maximum Load Capacity	7027.50 W