

Solar Investment Study

Prepared for sample-export · Zahle, Zahlé District, Beqaa Governorate, 1801, Lebanon
Monitoring: 2026-04-30 ' 2026-05-30 (30.0 days)

PAYS FOR ITSELF IN
38 months

\$34,554
MONTHLY SAVINGS

\$49,410
CURRENT ENERGY BILL

\$1,315,000
ONE-TIME INVESTMENT

ENERGY PROFILE

GENERATOR
117,643
kWh/mo

GRID
0
kWh/mo

SOLAR
82,271
kWh/mo potential

BATTERY
3,283
kWh/mo

100% of potential solar output consumed on-site
67% of electricity consumed during daylight hours

MONTHLY ELECTRICITY BREAKDOWN

CURRENT USE
117,643
kWh/mo
baseline

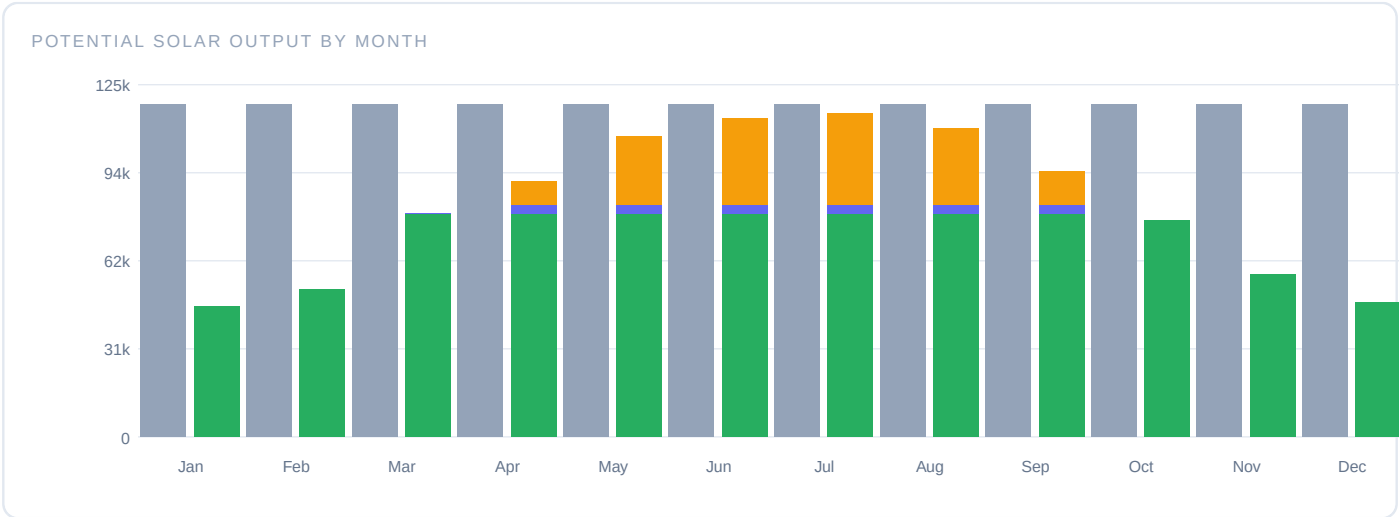
SOLAR COVERS
78,988
kWh/mo
67% of load

BATTERY COVERS
3,283
kWh/mo
3% of load

STILL NEEDED
35,372
kWh/mo
30% uncovered

117,643 kWh/mo

67% of electricity consumed during daylight hours



MONTHLY ENERGY BILL: BEFORE & AFTER

BEFORE SOLAR
\$49,410/mo

Generator \$49,410
Grid \$0

WITH SOLAR
\$14,856/mo

Generator \$14,856
Grid \$0
Monthly savings \$34,554

10-YEAR COST COMPARISON



Fuel meter not connected — diesel consumption estimated from genset kWh at 0.28 L/kWh.