

Li-Cube Security

Hybrid Solar Energy Solution

Reliable • Powerful • Off-Grid Ready

SAVE UP TO
90%
ON FUEL



9,600 Wh to 39,000 Wh (4–16 batteries)

Replace diesel light towers with Li-Cube Security!

A painted galvanized steel, insulated, and lockable solution delivering unmatched reliability, remote communication, and the best return on investment in the industry.

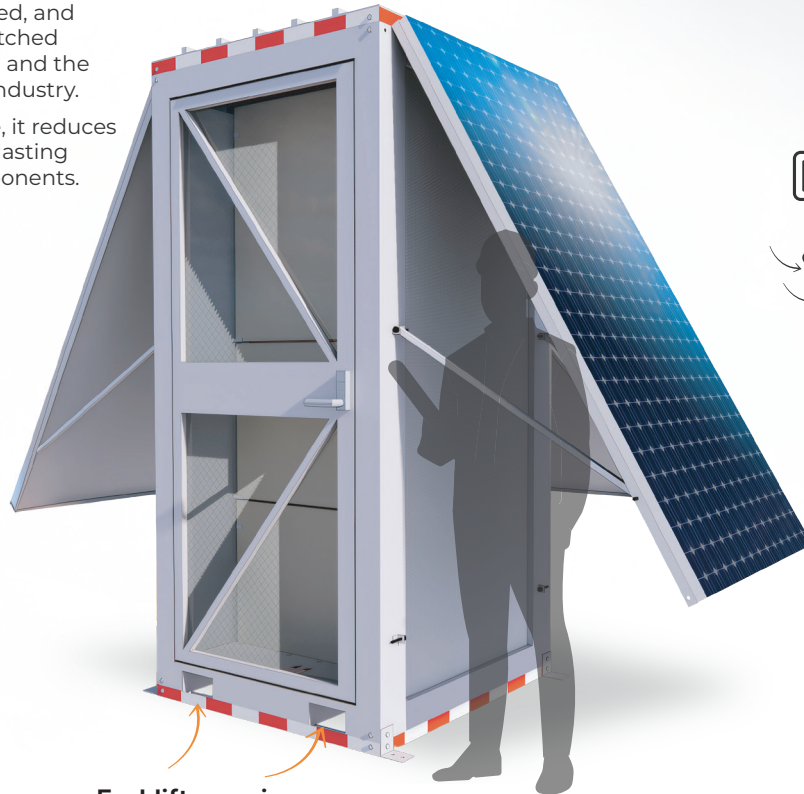
Quick to deploy and emission-free, it reduces operating costs and delivers long-lasting performance with premium components.

ELIOS

 **victron energy**
BLUE POWER

 **tbs electronics**
THE POWER OF QUALITY

 **TELTONIKA**



**SUPPORTS
REMOTE
MONITORING**



**BIFACIAL
SOLAR
PANELS**

Forklift opening



Replace diesel-powered light towers and save up to 90% on fuel costs



Hybrid solar system (3 panels, ~2 kW) + propane DC generator for backup power



AGM battery up to 30 kWh, designed for Quebec winters



Victron Energy system (MPPT + inverter) for maximum performance and reliability



4 to 7 days of battery runtime depending on the season



Power ~400 W of lighting all night long autonomously



Quiet operation, Ideal for residential areas, significantly reducing complaints



Major reduction in GHG emissions and refueling operations



Remote monitoring + rapid commissioning (a few hours)

Integrated Components



Victron Energy 3000W Inverter/Charger



Victron Smart MPPT 50A Solar Controller



Victron Energy Cerbo GX Monitoring System



Victron Energy Lynx Distributor



Lithio 5.12 (5.12 KWh) / Victron Energy 6V AGM Battery



Victron Energy GX Touch 50



Teltonika RUT241



Beny DC Circuit Breaker

Specifications

Product Model	Li-Cube Security
Electrical	
AC Input	120VAC or 120/240VAC 45-65Hz 50A max
AC Output	120VAC or 120/240VAC 45-65Hz 10 000VA max
AC Output Power	3 000VA to 10 000VA
DC Output 12V	Up to 120ADC (Optional)
DC Output 24V	Up to 125ADC
DC Output 48V	Up to 60ADC (Optional)
Min. ambient Temp. Charge	-25°C [-13°F]
Max. ambient Temp. Charge	50°C [122°F]
Min. ambient Temp. Discharge	-25°C [-13°F]
Max. ambient Temp. Discharge	50°C [122°F]
Physical	
Weight	From 1,900 lbs [862 kg]
Dimensions without mast	1270mm x 1350mm x 2670mm [50in x 53in x 105in]
Outer case	Galvanized steel structure with white industrial paint and 2" insulated walls
Energy Reserve	
Battery capacity	9600 Wh to 39 000 Watts (4 to 16 battery)
Battery type	AGM - Carbon Lead Acid - LiFePo4 Lithium
Battery operation voltage	24VDC or 51.2VDC
Optional	Lithium batteries where temperature permits
Solar Power	
Installed solar panel	Elios 600 Watts bifacial
Solar MPPT	Victron Energy smartsolar MPPT
All Breakers input and output	Absolutely
Backup Power Integration	
Generator Option	Cummins commercial generator Or/ DC LPG charger

Applications

- Pre-construction and active construction sites
- Security and surveillance operations
- Disaster relief and emergency response
- Off-grid sites and remote buildings
- Commercial and industrial facilities
- Wind turbine construction
- Wifi accès point