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Solar Mobile

LT-24, LT-2435, LT-24LI

Our light towers make a lot of light, without making any noise. Operating off stored battery power, the high-lumen LED flood lights thoroughly illuminate parking lots, work sites, events and disaster response areas. The tower easily cranks up to 21-feet while four telescopic outriggers provide support for wind speeds up to 85 mph.

Post-dusk and pre-dawn lighting control allows for flexible lighting schedules. Run the lights all night, or select two run periods, by selecting how many hours after sundown and how many hours before sunrise the lights come on – with an off-period in the middle of the night to save power. Lighting control automatically calibrates to changing daylight hours.

Elegant. Bright. Rugged. Those are the best three words to describe our LT-24 solar light tower. We combined high lumen-per-watt LED flood lights, with a 670-pound maintenance-free battery bank and packaged it all on a compact trailer with an 21-foot crank-up mast. Self-calibrating post-dusk/pre-dawn control provides many lighting options.

LT2435 C/W inverter

Lt24LI C/W Lithium Batteries

Model	LT-24	LT-2435	LT-24LI
Lights			
Type	LED flood	LED flood	LED flood
Total Lumen Output	24,600	24,600	24,600
Tower height	21-feet	21-feet	21-feet
Average Nightly Runtime	10 hours	10 hours	10 hours +
Inverter			
Surge Output	n/a	6kW	n/a
Rated Output	n/a	3.5kW	n/a
AC Voltage *specify one	n/a	120VAC/60Hz or 230VAC/50Hz	n/a
Phase	n/a	1-ph	n/a
Rated Amps (Max Amps)	n/a	30Amps (50 Amps)	n/a
Pure Sine Wave?	n/a	Yes	n/a
Mobile Rated?	n/a	Yes	n/a
Manufacturer	n/a	Outback	n/a
Warranty	n/a	5yr std	n/a
Battery			
Est. Bank Storage	11.04kWh	11.04kWh	10.8 kWh
Qty. and Group Size	(4) 8d	(4) 8d	(1) Li-ion
Bank in Amp-Hours	460 AH	460 AH	450AH
Nominal Voltage	24 VDC	24 VDC	24 VDC
Type	Sealed deep-cycle AGM	Sealed deep-cycle AGM	LiFePHO4
Manufacturer	Trojan	Trojan	All Cell Technologies
Warranty	36 mo, 1year free	36 mo, 1year free	application dependant
Solar			
kWh per day (approximate)	3.7 kWh/day	3.7 kWh/day	3.7 kWh/day
No. & Type of Panels	2 mono-crystal	2 mono-crystal	2 mono-crystal
Module Watts	335 watts	335 watts	335 watts
Total Array Watts	670 watts	670 watts	670 watts
Manufacturer	LG	LG	LG
Warranty	20 year Ltd.	20 year Ltd.	20 year Ltd.
Charge Controller			
Max Amps DC	30A @ 24VDC	30A @ 24VDC	30A @ 24VDC
MPPT	Yes	Yes	Yes
Digital display	Yes	Yes	Yes
Manufacturer	BlueSky	BlueSky	BlueSky
Warranty	5yr std	5yr std	5yr std
Size / Weight			
Deployed Dimensions (L x W x H)	12'-9" x 8'-10" x 21'	12'-9" x 8'-10" x 21'	12'-9" x 8'-10" x 21'
Transport Dimensions	14' x 5'-8" x 5'-9"	14' x 5'-8" x 5'-9"	14' x 5'-8" x 5'-9"
Total Weight (approx)	1,400lbs	1,500lbs	1,100lbs





Options



SA24

Addon an additional Array

- 24 panels rated at 335-watts each
 - Array wattage: 8,040-watts DC
 - Daily Energy Harvest: 48kWh
 - 30-foot trailer



SA12

Addon an additional Array

- 12 panels rated at 335-watts each
 - Array wattage: 4,020-watts DC
 - Daily Energy Harvest: 24kWh
 - 24-foot trailer



RB 35

Addon an additional Storage

- 35kWh battery
- 8kW AC output (16kW surge)
- Two 80Amp Charge Controllers
- Expects power from 24 solar panels
- Upgradable Charge Controller output



RB 70

Addon an additional Storage

- 70kWh battery
- 16kW AC output (32kW surge)
- Two 80Amp Charge Controllers
- Expects power from up to 24 solar panels
- Upgradable Inverter and Charge Controller output