

## VT-Solar Manual light tower

The ultimate in ecology, with compact dimensions and easily transportable. The new **VT-Solar Manual** mobile lighting tower is powered by three solar panels and guarantees great brightness performance and long battery life. An easy control panel and the possibility of connection to an external power source for recharging even in the absence of sunlight, make this lighting tower a product of simple use and great flexibility.

### How it works:

The **built-in AGM battery pack** can be recharged either by the internal inverter powered by the standard **3x400Wp solar panels** or by an inlet socket to be connected directly to the Mains or another external power source. The energy stored in the batteries ensures the full functionality of the LED floodlights. The average battery operating time with all LED floodlights switched on is estimated to be between **19 and 76 hours** depending on the light output power, with 8h of recharging time (with generator, power grid, or during sun peak hours – best average).

### Generac LED floodlights

4x120 W high-efficiency **new LED floodlights** designed by Generac Mobile® with adjustable light power output from 25% to 100%.

### Control panel:

The control panel includes:

- Battery monitoring device
- Battery low voltage alarm
- Fuse for DC protection
- Inverter alarm
- Hour-counter
- RCD-MCB circuit breaker
- Mains circuit breaker
- Lamps circuit breaker
- Main system On/Off switch
- Solar panels circuit breaker
- Digital timer (option)
- Darkness sensor (option)
- Selector switch for manual mode / digital timer / darkness sensor (option)
- Advanced digital controller (option)

Every circuit breaker is provided with differential protection.



*Picture shown may not reflect actual configuration.*

VT-Solar Manual	Technical Data			
Minimum dimensions (L x W x H)	3035 x 1415 x 2520			
Maximum dimensions (L x W x H)	3740 x 3245 x 7775			
Weight	1065			
Mast lifting system	Manual			
Mast rotation	340°			
Wind speed resistance	80 km/h			
Battery nominal capacity	11.5 kWh			
Battery capacity @80% DoD	9.2 kWh			
Battery type	AGM			
Battery recharging time	8 h (power grid)			
Dimmer switch	25%	50%	75%	100%
LED power	4 x 30W	4 x 60W	4 x 90W	4 x 120W
Illumination flux	20400 Lm	38400 Lm	55800 Lm	72000 Lm
Illuminated area (1 lux min)	2200 m <sup>2</sup>	3300 m <sup>2</sup>	4200 m <sup>2</sup>	4900 m <sup>2</sup>
Battery running time	76 h	38 h	25 h	19 h
Solar panels power	3 x 400Wp			
Solar panels inclination	min. 5° / max. 35°			
CEE 16A inlet plug	√			
Multipin inlet plug	—			



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