

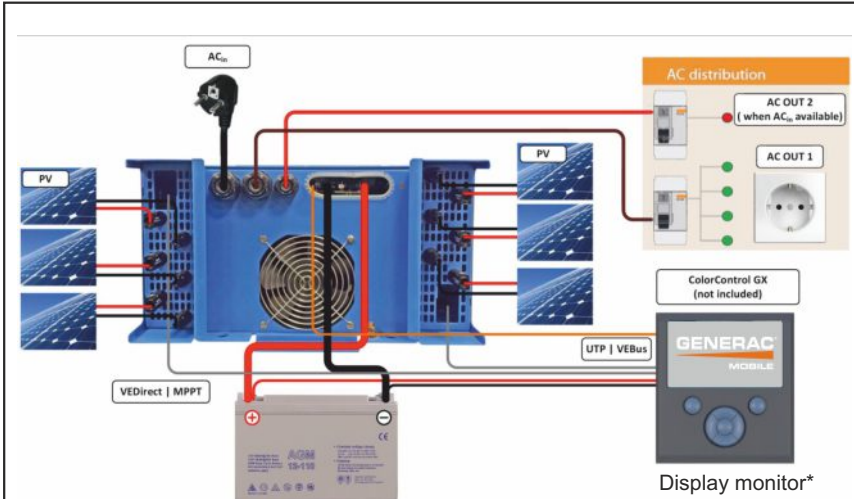


# VTS-A

Clean Energy  
Pure Light

The ultimate in ecology, in compact dimensions and easily transportable. The new VTS-A lighting tower, powered by three solar panels, guarantees great brightness performance and battery life. An easy control panel and the possibility of connecting to an external power source for recharging even in the absence of sunshine, make this lighting tower a product of simple use and great ductility.

## INVERTER/CHARGER BASIC DESCRIPTION



## HOW IT WORKS:

The batteries can be recharged either through the internal inverter powered by the standard solar panels or through a socket directly from the Mains or other external power source. The energy stored into the batteries ensures the full functionality of the LED floodlights. The AC output is available only within the EU. The average battery operating time with all LED lamps on is estimated to be about 16 hours, with about 6 hours of recharging time.

\* The Display Monitor is available upon request as option.

## CONTROL PANEL



The control panel includes as standard:

- 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
- Digital timer (option)
- Darkness sensor (option)
- Solar panels circuit breaker
- Main system On/Off selector switch
- Selector switch for Manual mode / Digital timer / Darkness sensor (option)

Every circuit breaker is provided with differential protection.

## ALL-IN-ONE SOLAR LIGHT SOLUTION

The VTS-A combines two MPPT solar charge controllers and an inverter/charger in one products. The batteries can be charged with sunlight (3x solar panels) and/or with AC power (inverter/charger) from the utility grid or a genset. Our Power Assist protects the utility from being overloaded.

## SOLAR PANEL TECHNICAL DATA

Module	
Nominal power (+/- 3%)	320 W
Cell type	Polycrystalline
Number of cells in series	782
Maximum system voltage (V)	1000
Temperature coefficient of PMPP (%)	-0.47/°C
Temperature coefficient of VOC (%)	-0.34/°C
Temperature coefficient of ISC (%)	-0.045°C
Temperature range	-40°C to +85°C
Maximum surface load capacity	200 kg/m <sup>2</sup>
Allowable hail load	23 m/s ; 7.53 g
Junction box type	PV-JH200
Length of cable/connector	1000 mm / MC4
Output tolerance	+/- 3%
Frame	Aluminium

## LIGHTING TOWER TECHNICAL DATA

<b>Mast:</b>	340° rotating telescopic 6.5 meters height with manual winch
<b>LED Light:</b>	4x65W 29,000 lumen total output Optional darkness sensor and timer
<b>Panels:</b>	Manual Tilting (Angle Corrector 0-45°) for 3x320W solar panels
<b>Batteries:</b>	8x230Ah AGM batteries Optional backup generator
<b>Inverter:</b>	Battery status indicator + Recharging Plug 16A
<b>Trailer:</b>	Slow Speed trailer or optional Road trailer

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