



## SOLAR TRAILER WITH LIGHTING POLE

### | CWD-RMK-7.2KW-15KWH-3P

CW DEFENCE solar trailer with lighting poles can be utilized at every point where energy is needed with its fully equipped structure. Manufactured in accordance with highway standards, the trailer has a solar panel, inverter and lithium battery storage system. The trailer, which is an off-grid sustainable energy source, also has AC 220V output for your devices. Panel size, inverter and storage capacity can be changed according to your needs. The CW DEFENCE trailer with integrated LED lighting pole provides energy for a long time at critical points that require emergency energy. The trailer, which supports charging from solar energy or central grid, is equipped with many safety elements.



Portable



Quiet Operation



High Strength



Easy Installation and Easy Operation



No Fossil Fuel or Refueling Required

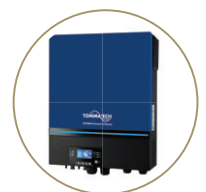


Clean - No Exhaust, Emissions or Oil Changes

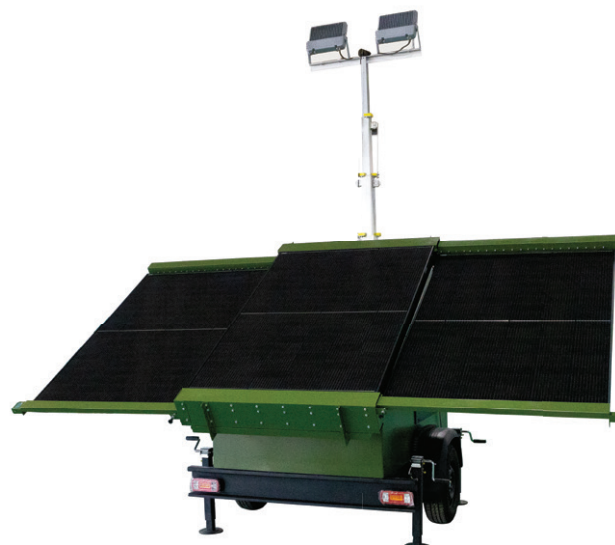
12BB



LiFePO<sub>4</sub> Battery



Smart Inverter



## MECHANICAL SPECIFICATIONS

<b>Maximum Power (Pmax)</b>	1650Wp
<b>Battery (Pcs)</b>	3 x 48V-100Ah
<b>System Voltage</b>	48VDC
<b>Inverter</b>	7.2K 48V MPPT 1 Phase Smart Inverter

## TRAILER SPECIFICATIONS

<b>Weight</b>	210x105
<b>Dimensions</b>	132 (6x22)
<b>Telescopic Pole Height</b>	6
<b>Casing Material</b>	Metal Case

### PANEL SPECIFICATIONS

<b>Model Type</b>	CWD545 108PMFB12
<b>Peak Power (Pmax ) [Wp]</b>	545Wp
<b>Module Efficiency (%)</b>	21.29
<b>Maximum Power Voltage (Vmp)[V]</b>	31.30
<b>Maximum Power Current (Imp)[A]</b>	17.42
<b>Open Circuit Voltage (Voc)[V]</b>	37.70
<b>Short Circuit Current (Isc ) [A]</b>	18.45
<b>Weight (kg)</b>	28.5
<b>Panel Dimensions (mm)</b>	1965x1303x35
<b>Max. Wind/Snow Load Resistance (Pa)</b>	IP68
<b>Junction Box Protection Class</b>	350-1600

### BATTERY SPECIFICATIONS

<b>Nominal Voltage (V)</b>	51.2
<b>Nominal Capacity (Ah)</b>	100
<b>Nominal Energy (Wh)</b>	5120
<b>Battery Chemistry</b>	LFP 32700 Cylindrical
<b>Cycle</b>	≥ 2000 Cycles
<b>Battery Connection</b>	IP67 Connector
<b>Charging Temperature</b>	0 - +60
<b>Discharge Temperature</b>	-20 - +60
<b>Storage Temperature</b>	0 - +35
<b>Protection Class</b>	IP65
<b>Casing Material</b>	Metal Case

\* The specifications are obtained under the standard test conditions: 1000W/m2 solar irradiance, 1.5 Air Mass and cell temperature of 25°C. Measurement uncertainty for all panels is 3%. The actual transactions will be subject to the contracts. These parameters are for reference only and it is not a part of the contracts. The technical specifications in this document may vary. For more information, refer to the "Installation Manual".

\* For installations on roofs, facades and similar areas, solar panels should be mounted on a fire-resistant coating suitable for this installation, with sufficient ventilation space between the back layer of the modules and the mounting surface. Incorrect installations may pose a danger in case of fire and may cause a fire. Solar panels should not be installed on structures and products consisting of transparent plastic, PVC, plastic and similar materials that are not resistant-protected against fire risk. Use and installation not in accordance with the installation and assembly manual and the conditions specified in the warranty document will exclude the products from the scope of warranty. For more information, refer to the Installation Manual and Warranty Documents.

\* CW DEFENCE reserves the right to change the specifications of the products without prior notice.

\* CW DEFENCE products are project-based products and can realize special projects upon your requests.