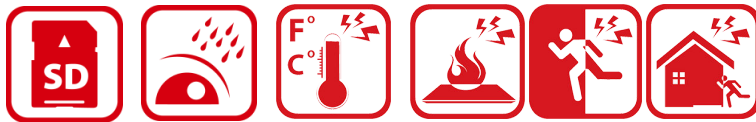


## LT-MSP-509X

### Modular Lithium Solar Station (Xpand Series)



### Key Features

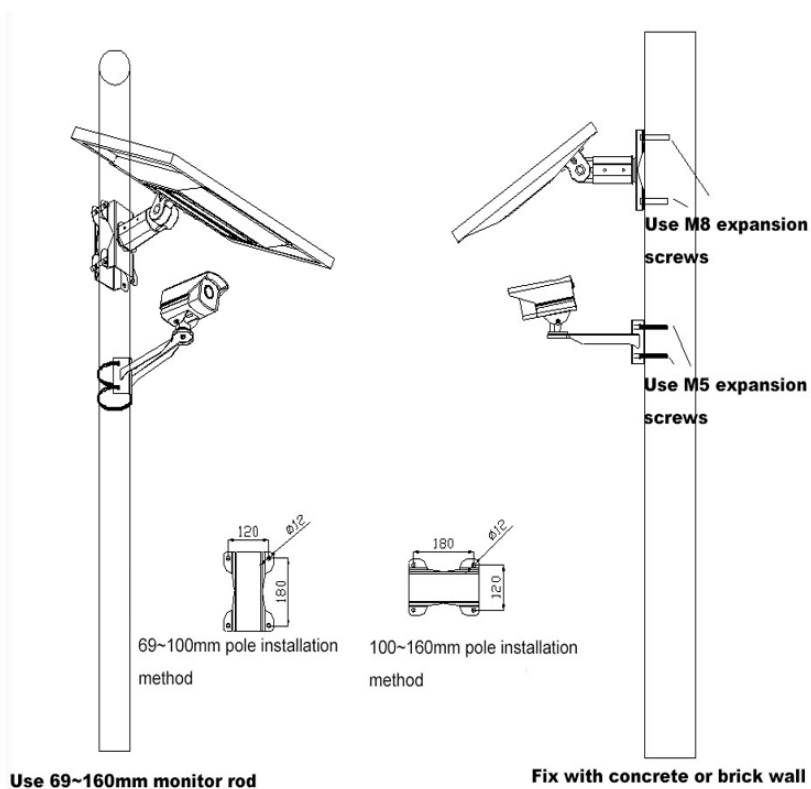
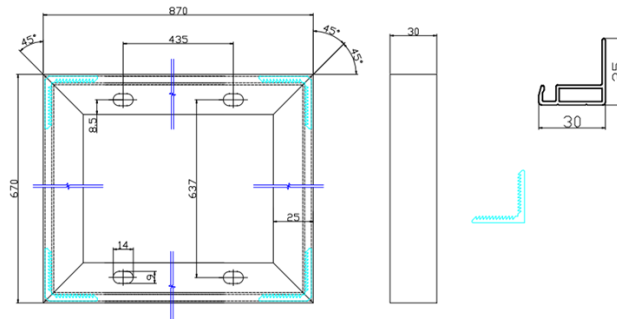
The Modular Solar Station is fully customisable according to the project requirements. Coming standard with a 100W Monocrystalline Silicon Panel and a 600WH Lithium slimline Battery integrated on the back of the solar panel. Inbuilt heating element allows the solar panel to charge the Lithium battery at low temperatures. This solution is suitable for Parks, Rural, commercial, government, building industry etc

- 100W Monocrystalline Panel
- Expandable upto 4 x 100W Panels (LT-MSP-CB)
- 600WH Lithium Slimline Battery
- Built in Battery heating element
- Optional 4G WiFi Industrial modem
- Optional Pole 4-8m (plastic coated Q235 Steel)
- Optional Wifi Long range P2P
- Outdoor rated IP66
- Customisable with all LTS Cameras
- 3 Year warranty

## Specifications

<b>Solar Panel / Battery summary</b>	
Size	870*670*30mm (with frame)
Module	100W
Battery	Lithium Ion - 460WH
Load Voltage	10 ~ 14.6V
Max Charge	10A
Solar Input Voltage	18V
Max Load	40W
<b>Panel</b>	
Solar Cell	156Mono
Optimum Power(V)	18V
Optimum operating Current	5.55
Short Circuit Voltage	6.11
Open Circuit Voltage	21.24
Size Module	870*670*30mm
Front Glass Thickness	3.2mm
Tolerance Watts	±3%
Surfacer Max Load Capacity	60m/s (5kg / sq.m)
Allowable Hail Load	23m/s ,7.53g
Temperature range	-40°C to +85°C
Weight Per Piece(KG)	15KG With Controller box (no Pole or accessories)
Cell Efficiency	21.6%
Warranty	90% for 10 years, 80% for 25 years*
<b>Battery</b>	
Array Mode	4S6P
Nominal Capacity	50Ah
Min. Capacity	≥35Ah
Nominal Voltage	12.8V
AC Impedance Resistance	≤80mΩ (AC 1kHz)
Operating Temp	0°C ~ 45°C (Charging) / -10°C ~ 60°C Discharging Operating
Cycle Life	≥1000*

## Dimensions



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