



Shown with LILYGO® T-Echo installed (not included).

## Features

- Design to fit the LILYGO® T-Echo Wireless Module
- Includes IP66 rated waterproof 5V/6W solar powered cell phone charging panel with 10 foot power cord and USB-C or Mirco USB cell phone power plugs
- Plug-and-Play design, easy to install
- Meets NEMA 1, 2, 4, 4X, 12, 13 and IEC 529, IP65, IP66
- Durable ABS + Polycarbonate construction
- RF transparent design
- Water resistant enclosure design with gasketed Lid and dual door latches
- UV and corrosion resistant
- Tamper-proof locking screw with key and provision for padlock

## Description

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The **Altelix Solar Powered LILYGO® T-Echo Enclosure** is ideal for deploying LoRa wireless networks in outdoor and remote locations without access to power.

### Includes Solar Powered Charging Panel

Included with the NP09MS5-LMT1 is a high-efficiency 5V/6W solar powered charging panel ideal for powering the LILYGO® T-Echo module. This panel includes a 90° tilt and 360° swivel base and a 10 foot power cord with a Micro-USB power plug. A Micro-USB to USB-C adapter is also included for use with the T-Echo module. The 10 foot power cord allows the solar panel to be mounted away from the enclosure in locations optimal for sunlight exposure. IP66 rated, this solar panel is built to withstand harsh outdoor conditions including rain and snow.

### Construction and Features

This enclosure is molded out of UV resistant Polycarbonate + ABS, an industrial grade plastic with greater strength and durability than standard ABS. It features a gasketed hinged door with dual latches, a stainless steel security screw and provision for padlock. It meets or exceeds NEMA 1, 2, 4, 4X, 12, 13 and IEC 529 IP65, IP66. The enclosure can be easily drilled and modified by the installer to suit unique site requirements.

### Plug and Play Setup

The Altelix LILYGO® enclosure provides easy plug-n-play installation. Once the enclosure is mounted, simply snap the T-Echo wireless module into the mounting cradle. Cable glands on the enclosure allow the power cable from the solar panel to be connected to the LILYGO® T-Echo. This enclosure is compatible with the following LILYGO® wireless modules:

- LILYGO® TTGO SotfRF T-Echo Wireless Module
- LILYGO® TTGO Meshtastic T-Echo Wireless Module

### RF Transparent Design

The non-metallic design of the enclosure and equipment mounting plate is RF transparent and will not interfere with the wireless signal range or coverage pattern of LILYGO® T-Echo wireless module.

### Pole Mount Available

A pole mounting kit is also available for this enclosure. The NMKG-150-08 attaches to the rear of the enclosure and allows it be mounted to poles and fence posts up to 9.5 inches in diameter.

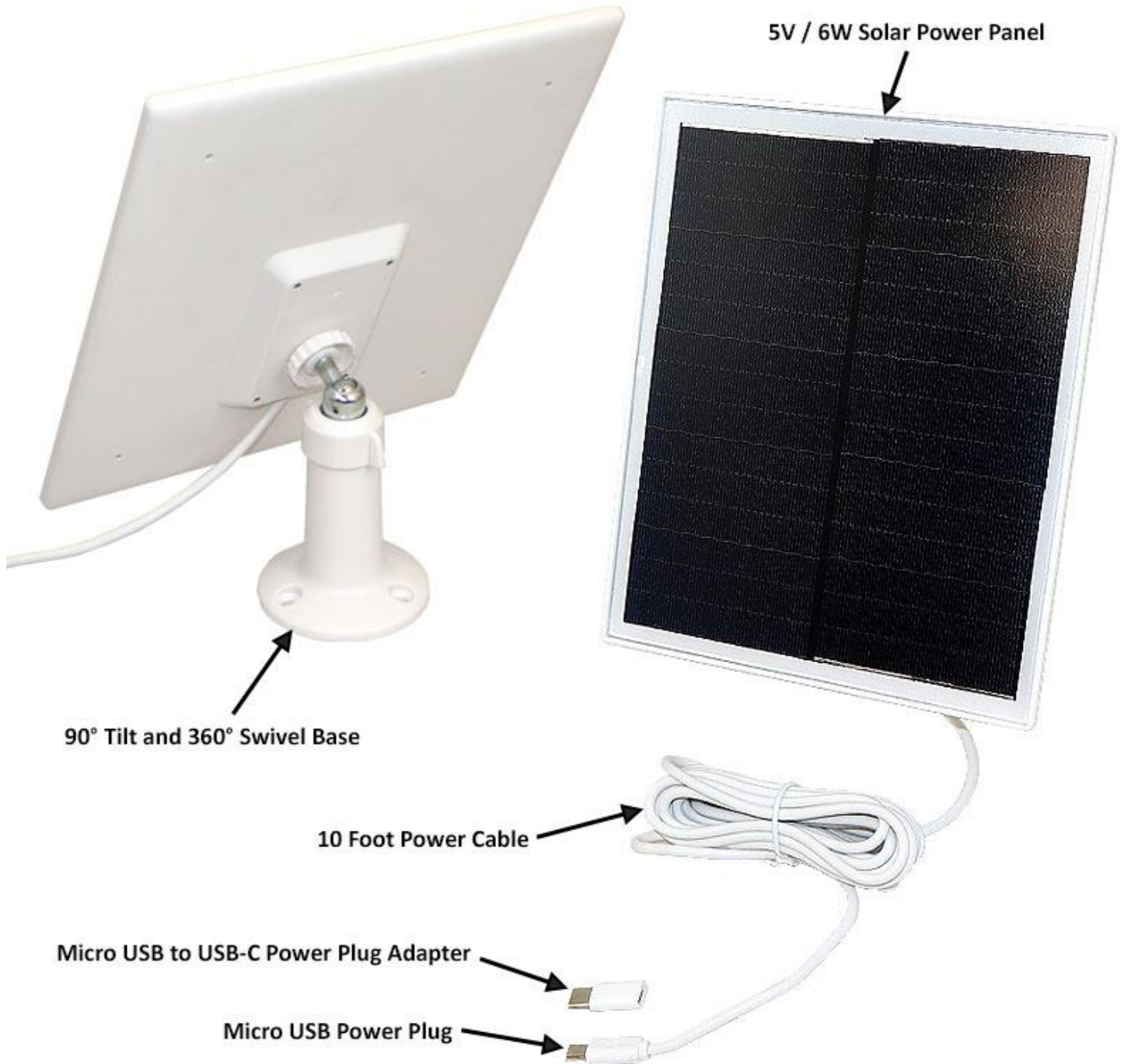
LILYGO® is a trademark or registered trademark of Shenzhen Xin Yuan Electronic Technology Co., Ltd.

## Product Photos



## Product Photos

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## Specifications

### Enclosure

<b>Material</b>	Polycarbonate + ABS
<b>Available Colors</b>	Gray, Light Ivory, OD Green
<b>Outer Dimensions</b>	9.3 x 8.6 x 3.0 Inches (236 x 219 x 77 mm)
<b>Inner Dimensions</b>	7.0 x 5.5 x 2.0 Inches (178 x 140 x 51 mm)
<b>Mounting Plate Material</b>	0.25 In. (6.4mm) PVC
<b>Weight</b>	3.7 lbs. (1.7 kg)
<b>Ratings</b>	Meets or Exceeds NEMA 1, 2, 4, 4X, 12, 13 and IP65, IP66 (EIC 529)
<b>Flame Rating</b>	Meets UL94-V0
<b>Included Cable Glands</b>	(4) PG13.5
<b>Compatible LILYGO® Models</b>	TTGO SoffRF T-Echo Wireless Module TTGO Meshtastic T-Echo Wireless Module

### Solar Power Charger

<b>Output Voltage</b>	5V
<b>Output Current</b>	1.2A
<b>Power Output</b>	6W
<b>Power Cable Length</b>	10 Feet (3.0m)
<b>Power Plugs</b>	Micro-USB and USB-C
<b>Waterproof Rating</b>	IP66

