



**领鞅科技**  
LINGYANG TECHNOLOGY



# Intelligent Communication Box NCU





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## Product Description

After receiving the data of wind speed and wind direction taken by the environment measuring instrument, in accordance with the local latitude and longitude, this product analyze and estimate with the AI algorithm. And then, it get the best operating angle and send instructions to TCU for optimization tracking.

## Product Advantages

Compatible with Different Controllers, weather station protocols

——Support RS485/ZigBee/Lora

High Performance Processor

——Support OTA upgrade

IoT Cloud Platform

——Long-distance operation  
and monitor

Load AI Module

——The intelligent algorithm is further  
optimized by neural network.

## Product Features

Wireless one-key upgrade, wireless self-grouping, anti-shadowing tracking, wind, rain and snow protection, over-current and over-temperature protection and other intelligent functions. While equipped with TCU, SCADA, they can manage to make the system in different complex meteorological conditions to automatically switch between different working modes, for the protection of PV bracket in the case of high wind, heavy rain, heavy snow, the whole system without human intervention, fully automatic operation, furthermore, it's professional to provide users with PV tracking one-stop solution.



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## Intelligent Communication Box NCU



### Feature Datasets

|                               |            |
|-------------------------------|------------|
| Models                        | NCU        |
| Types of power supply         | 90-264 VAC |
| Data set                      | PC         |
| Daily power consumption       | 0.04 kWh   |
| GPS signal                    | YES        |
| Wind speed trigger            | Auto       |
| Snow trigger                  | PC         |
| Latitude and longitude finder | Auto       |
| Time zones                    | PC         |

### Functional Datasets

|                                       |             |
|---------------------------------------|-------------|
| Alarm for aborted connection with TCU | YES         |
| Alarm for model fault of GPS          | YES         |
| Wireless communication with TCU       | LoRa/ZigBee |
| Communication terminal                | RS485       |
| Wind speed                            | YES         |

### Normal Datasets

|                      |                      |
|----------------------|----------------------|
| Installation methods | Hang on back         |
| Water-proof level    | IP65                 |
| Weight               | <2kg                 |
| Sizes                | 200*200*100mm(L*W*H) |
| Working temperature  | -30°C-70°C           |
| Altitude             | <4000m               |

Note: Standard setting above. For customized setting,

