Upcoming Products

AgilSpace

# PPT-650
## Solar Peak Power Tracker (SPPT)

Designed to be light-weight and modular, the PPT-650 series Solar Peak Power Tracker (SPPT) offers scalable power adaptation to meet the modern complex space mission requirements for power output up to 650W per module. The PPT-650 is highly configurable and flexible to adapt to different solar power ranges. The module is provisioned to scan and locate the global peak power point, and subsequently, operate locally around the designated peak power.

The PPT-650 is designed to operate as a single module or as multiple modules in parallel, working independently to convert power from the solar array to the battery clamped main bus. Each PPT-650 is connected to a single solar array wing. The module can be configured in different operational modes through the RS422/485 interface.

## Key Features

- **Light weight and modular to meet challenging satellite mass constraints**
- **Highly flexible and adaptable to meet demanding mission power requirements, up to 650W**
- **Offers enhancement to power effectiveness and efficiency**
- **Scan, locate, and operate around peak power point**
- **Configurable to operate as single module or as multiple modules in parallel**

PPT-650 Solar Peak Power Tracker

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ST Electronics
Satcom & Sensor Systems
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# PPT-650 Solar Peak Power Tracker (SPPT)

## Technical Specifications

| | |
|---|---|
| **Power handling capacity** | 650 W (max) |
| **Solar Panel Voltage** | 60V |
| **Battery Voltage** | 36V |
| **Power Efficiency** | 92% |
| **Tracking Error** | 2% rms |
| **Estimated Mass** | 500 g |
| **Module Interface** | RS422 /485 |

PPT-650 Solar Peak Power Tracker

Note: All specifications are subject to change without notice.
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