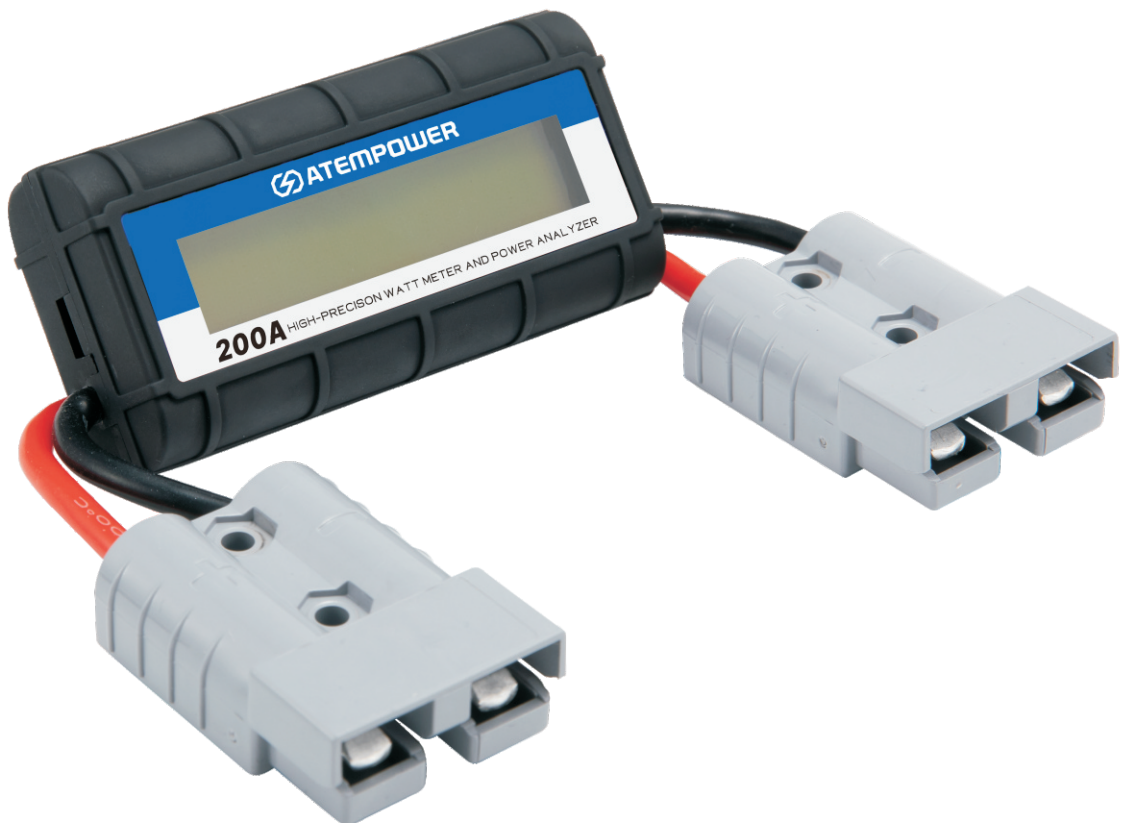




200A WATT METER

AP200WM

USER MANUAL



ABOUT US

ATEM POWER, born in June 2017, as a synonym for exciting outdoor experience, is an Australian company with dedication and passion for the R&D of high quality products in the field of renewable energy products, batteries and related accessories.

Since the company was founded, we have committed to innovation that aims to make your life infinitely more convenient. And the belief in our conviction for quality and commitment allows us to innovate in developing products that are optimally tailored to the needs of our amazing customers.

We engineer and supply solar products for homes, 4x4s, recreational vehicles and virtually any application you can think of. And we also develop reliable, high performing deep-cycled batteries and lithium batteries for standby or daily power needs. Accessories include battery chargers and inverters that are ideal for RV's, commercial vehicles, boats, yachts and many more applications!

At ATEM POWER, we stay true to our DNA by prioritizing technological innovation designed to improve our products and striving to provide excellent customer care. Because we are motivated to explore the limits of solar power!

WARNINGS & SAFETY INFORMATION

General Safety Information

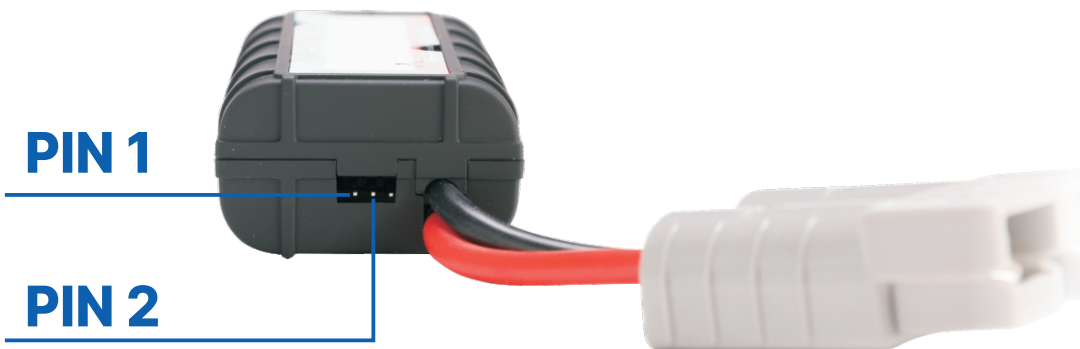
Read all of the instructions in the manual before beginning the installation.

- There are no serviceable parts for this meter. Do NOT disassemble or attempt to repair the meter.
- Do NOT allow water to enter the meter.
- Make sure all connections going into and from the meter are tight.

Battery Safety

- **NEVER** short a rechargeable battery or the meter connected to a rechargeable battery.
- Ensure wiring and connections are rated to handle the input/output current and are properly assembled for each application.
- Carefully read battery manuals before operation.

IDENTIFICATION OF PARTS



Key Parts

1. Source Connection
2. Load Connection
3. Auxiliary Battery Port (Optional Component)

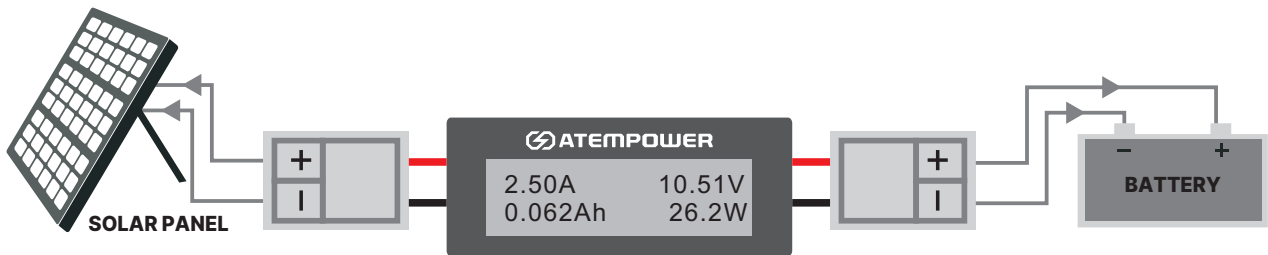
Note: When the voltage is too low (< 9V) and the watt meter cannot display any readings, connect an auxiliary 12V battery to pin1 (negative) and pin2 (positive) to power the watt meter.

HOW TO USE:

To monitor power being generated by your solar panels:

1. connect "Source" connection to solar panel lead.
2. connect "Load" connection to battery lead.

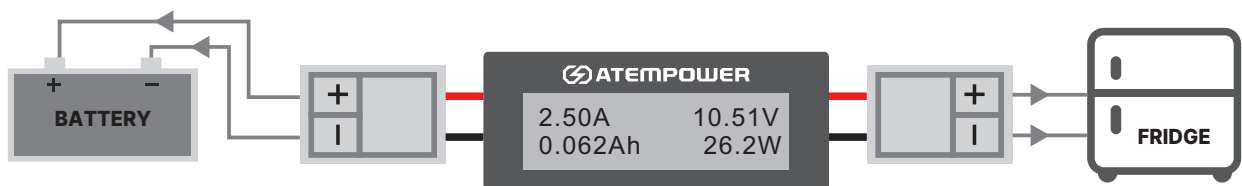
Display will light up and start displaying power information.



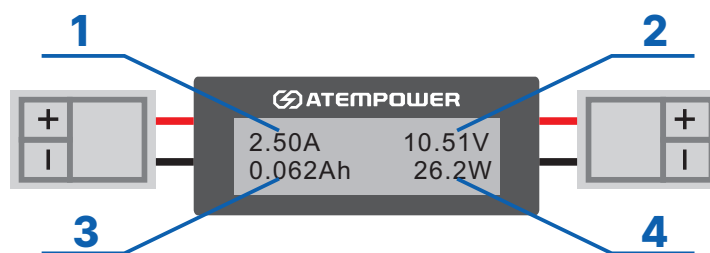
To monitor power being used by an appliance running from your battery:

1. Connect "Source" connection to your battery lead.
2. Connect "Load" connection to your appliance.

Display will light up and start displaying power information.



WATT METER DISPLAY INFORMATION:



1
Amps Average
Measured

2
Current Voltage
of Battery

3
Data Queue - Shows in sequence:
Ah - Charge, Wh - Energy, Ap - Current Peak,
Vm - Min Voltage & Wp - Power Peak

4
Watts Average
Measured

Data Queue - When power is supplied to the watt meter, the unit will start recording data. To reset the Data Queue to zero, simply disconnect the watt meter from power, wait 30 seconds and reconnect.

SPECIFICATIONS

- Product Dimension: 3.35"L (8.5cm) x 1.65"W (4.2cm) x 0.98"H (2.5cm)
- Net Weight: 0.18lbs (82g)
- Operation Voltage: 0-60V (0 - 9V with Auxiliary Power)
- Operation Current: 0-200A
- Auxiliary Battery Operating Voltage: DC 9-60V
- Auxiliary Battery Operating Current: 0.2-0.5A
- Operating Temperature: 0°C (32°F) - 70°C (158°F)
- LCD Display Screen: 16 Character x 2 Row STN LCD
- Measurement Resolution:
 - 0 – 200A, Resolution 0.01A
 - 0 – 60V, Resolution 0.01V
 - 0 – 6554W, Resolution 0.1W
 - 0 – 65Ah, Resolution 0.001Ah
 - 0 – 6554Wh, Resolution 0.1Wh
- Measurement Update Period: 0.4s
- Data Queue Sequence Time: 2s
- Wire Size: 12AWG



WARRANTY



WARRANTY PERIOD:

ATEM POWER warrants that each of our watt meter that is purchased while this Warranty is in effect will be free from defective workmanship and materials for a period of 1 year.

WHAT DOES THE WARRANTY COVER?

- 1.Any defect in design or manufacture which results in its failure to perform correctly as described.
- 2.We will either repair or replace the product at our discretion provide that the fault is found to have been caused by a design or manufacturing defect and not misuse or tampering.
- 3.The limited warranty is the only one that applies to this unit, and it sets forth all the responsibilities of ATEM POWER.

THE WARRANTY DOES NOT COVER:

- 1.Cost of removing and reinstalling the product.
- 2.Travel and /or other expenses due to customer's location.
- 3.Transport charges and damage in transit. It is your responsibility to deliver and pick up your product, including any costs associated with the postage of repairing or replacing your product. If you want to send the product back we recommend that you insure against loss or damage.
- 4.Any loss directly or indirectly associated with the product that fails to operate.
- 5.Damage caused by mould, misuse, incorrect operation, adverse weather, extreme temperature, accidents and daily wear and tear.
- 6.This unit is not intended for commercial use. This warranty does not apply to damage to units from misuse or incorrect installation/connection. Misuse includes wiring or connecting to improper polarity power sources.