Eyrus Solar Unit Instructions

1. Unbox the Battery box, Eyrus BLE reader, mount and panel. Make sure all the necessary parts are included to install the mount.

2. Test the Battery box and panel before beginning the installation.

    a. Open the battery box and flip the breaker into the on position (see picture below).

Both arrows will indicate power is being transferred when everything is connected.
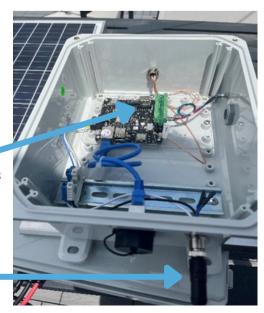

Flipped into on position, push button above to cut connection to battery.

    b. With the panel completely unboxed, plug the male and female connections from the panel into the battery box male and female connections (see picture below). PAY ATTENTION MAKE SURE THAT THE PLUG COMING FROM THE PANEL IS THE POSITIVE GOING INTO THE POSITIVE AND NEGATIVE INTO NEGATIVE. IF THAT IS NOT POSSIBLE PLEASE CONTACT SUPPORT FOR FURTHER INSTRUCTIONS.

    c. Locate the power cord coming off of the battery box and plug that into the BLE box with the Eyrus label on it. Unscrew the top of the box and visually confirm the box is getting power through the lights on the board (see below) Once everything is confirmed as powered you are ready to install the unit in place.

Lights indicating unit is receiving.

Power Cord from battery box.

NPB-200P Double Arm Side of Pole/Wall Mount

Thank you for purchasing Newpowa products. NPB-200P mounting kits are designed for one 100W/210W solar panel at an tilt angle from 0°- 90°
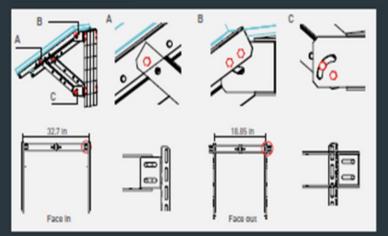
SPECIFICATIONS

Mounting Type	Double Arm Side of Pole/Wall Mount
Module Type	Specifically designed to work with Newpowa Solar panels, but can be adapted for use with other panels
Number of Modules	Mounts 1 Panel
Setting Angle	0°-90°
Wind Load	Designed to withstand wind speeds of 90mph
Snow Loading	1.1kN/m2
Warranty	1 Year

KIT COMPONENTS

Diagram	Component	Material	Surface Treatment	Quantity	Dimensions
1-1	Fixed Bracket	Aluminum Alloy	N/A	2/1	A-698=27.5×1.97×1.1in, B-747=29.4×3.3×1.9in C-482A=19×1.7×1.1in
1-2	Fixed Bracket	Aluminum Alloy	N/A	1/1	D104L/R=4.1×3×2.5in
1-3	Bolts	Stainless Steel	N/A	4/8	M6=6×18mm, M8=8×20mm
1-4	Clamp	Stainless Steel	N/A	2	Clamp=1×7/8×5in

MOUNTING DIAGRAM

Face In

Face out

Note:
When using this kit with another brand of panel you may need to change the module bolts to suit the mounting holes on the panel. M8 & M6 bolts are provided with this kit for your preference.

Connecting the Unit

1.   Once the Panel has been mounted, mount the Battery box below the panel and the BLE reader above the panel. Both Battery box and BLE unit include mounting plates and large hose clamps. Ideally the BLE unit is mounted 8-10' off the ground.

2.   Once every thing has been mounted connect all necessary wires (see below for correct locations) and be sure to ziptie any loose wiring. Once everything has been connected contact Eyrus support to ensure everything has come online appropriately.

Metal mounting brackets for reader and battery box with hose clamps

Power cord run from battery box to BLE reader

Male and Female solar connectors from Panel connected to battery box connections

Hose Clamps or Lag bolts for mounting (see solar bracket installation instructions)

BLE unit Power Supply

Male and Female Solar Connections