

EP800

Automatic Transfer Switch (ATS) Installation



Thank You!

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From the very beginning, BLUETTI has tried to stay true to a sustainable future through green energy storage solutions while delivering an exceptional eco-friendly experience for our homes and our world. That's why BLUETTI makes its presence in 100+ countries and is trusted by millions of customers across the globe.



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If you have any questions or concerns about this manual, please contact BLUETTI support for further assistance.

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1. Introduction

- **Benefits of using ATS:**

Makes installation easier - connect all household loads to the sub-panel for essential items, excluding specific ones.

- **How It Works:**

Implementation principle: After the power grid is lost, the sub-distribution box is automatically switched to the off-grid output end of the inverter; after the power grid is restored, the sub-distribution box is automatically switched to the grid end, and the entire implementation process is automatically controlled by software. Sub-distribution boxes can also be connected to micro-inverter equipment to realize off-grid micro-inverter applications.

- **Electrical related changes with the introduction of ATS:**

- a. EP800 changes:

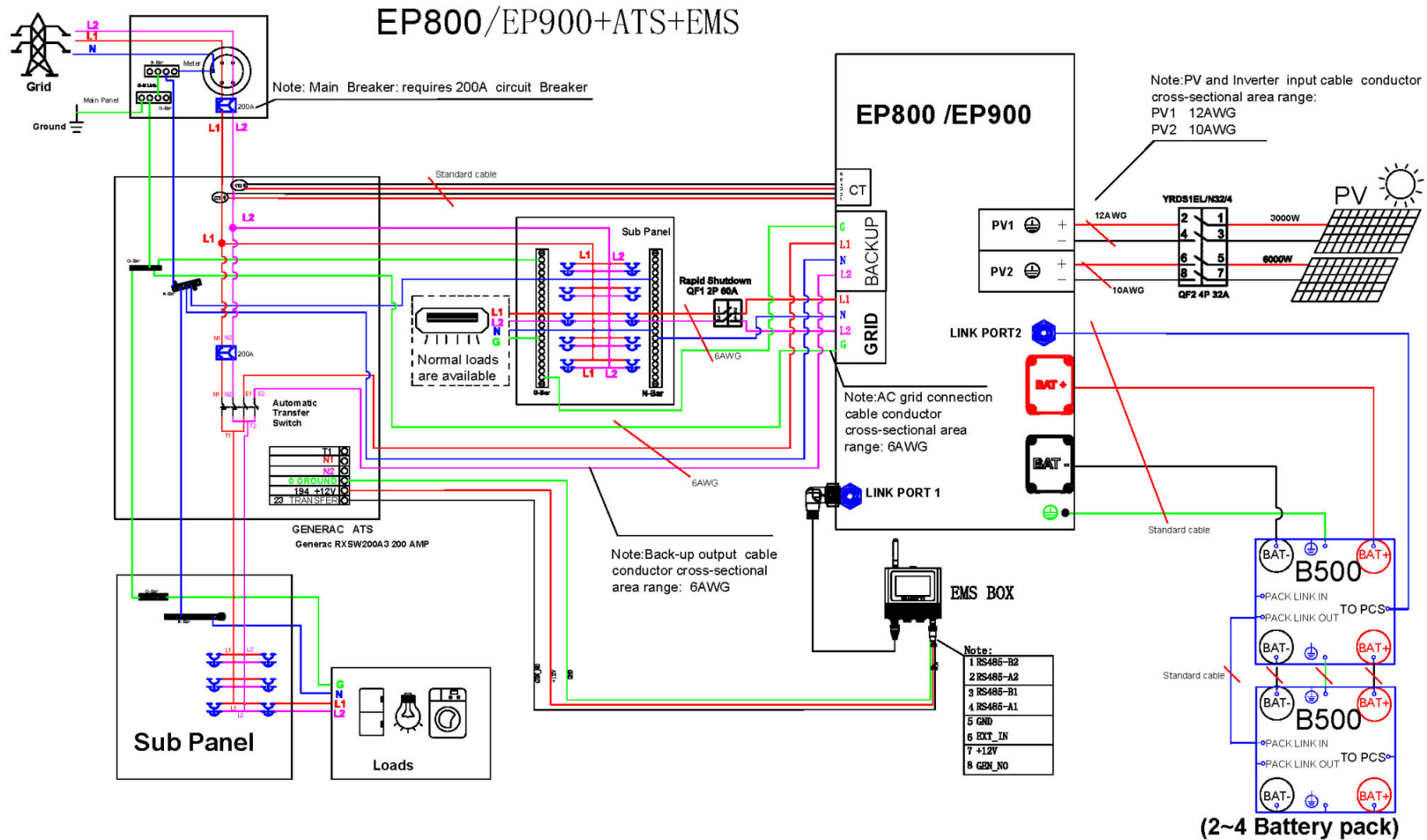
When stand-alone: new ATS conversion box, new EMS control box, new CT equipment and some wiring, etc.;

Parallel machine: add ATS converter box, add EMS control box, add electric meter and some wiring, etc;

- b. When EP800 use ATS, there are no significant differences in power distribution.

- c. To use the ATS application, you need to issue the ATS enable command to the inverter through the APP.

2. Electrical Diagram



3. Procedures

Step 1: Wiring

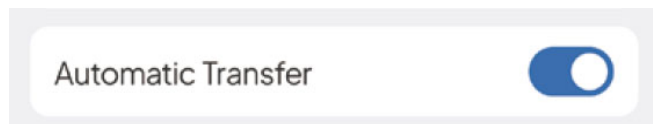
Connect the cables according to the electrical diagram above.

Step 2: Power on

Press and hold the battery power button to activate the energy storage system. Refer to the product's user manual and related materials for detailed instructions.

Step 3: ATS Configuration

Access the Pro Mode page in the app and enable the ATS. Refer to the product's app user manual for detailed instructions.



Step 4: Initiate

Turn on the "System Switch" to enable the ATS via the app.

4. Precaution

Select the compatible ATS based on the household needs.

5. Accessories

5.1 Transfer switch

Transfer switch is used for maintenance of the ESS, if any issues happened on the ESS, we can switch to the utility grid side to keep power on for the backup loads.

Automatic transfer panel - for partial home backup system which is existing sub panel.

200A Automatic Transfer switch



Generac 200 Amp Single Phase Automatic Smart Transfer Switch Kit for Generator with Power Management for Indoor and Outdoor Use

Visit the Generac Store

4.8 ★★★★★ 261 ratings

Amazon's Choice in Outdoor Generator Transfer Switches by Generac

100+ bought in past month

\$769⁰⁰

FREE Returns

Get \$50 off instantly: Pay \$719.00 upon approval for Amazon Visa.

Style: 200-Amp

100-Amp
\$579.00

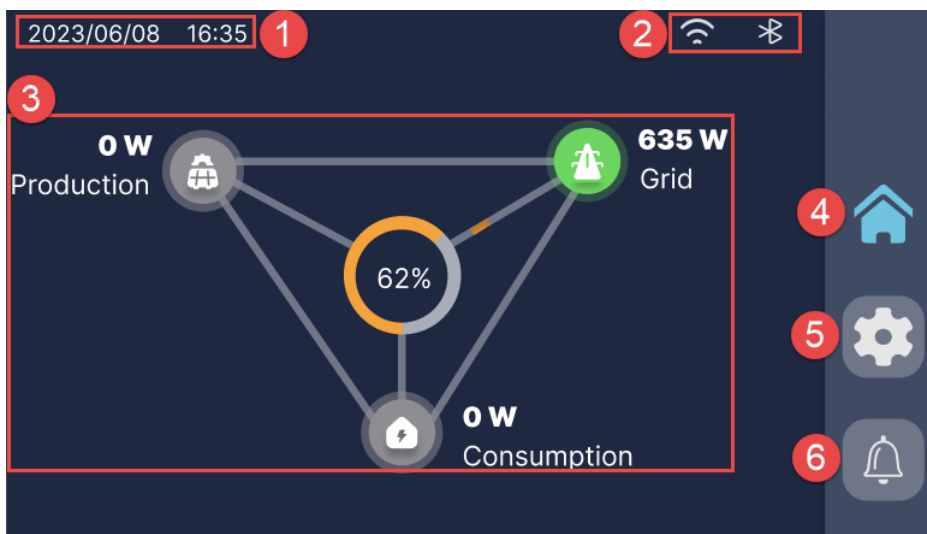
150-Amp
\$779.00

200-Amp
\$769.00

200-Amp + Oil Heater Kit
\$884.01

https://www.amazon.com/Generac-RXSW200A3-Smart-Transfer-Switch/dp/B0745H7CHL/ref=sr_1_45?dib=eyJ2ljojMSJ9.yGQPLjcUnFI5K85rWS0OwCX9YRrbWlvFBU53CHxfQ3i-UojfMNSLzAeBhw-UsnHrdhrHJPtzQ-IMHbg9Y_iTobTDBJWsJyyU39rG9hNmC4wXDxGtrCM6j2qBa6nirJVSoFoCTcDCPIgDgTKvtyQZPa

5.2 EMS



Please contact BLUETTI

6. Software Version (minimum required version)

EP800 ESS: ARM502711, DSP502612, EMS905208, BCU102514.