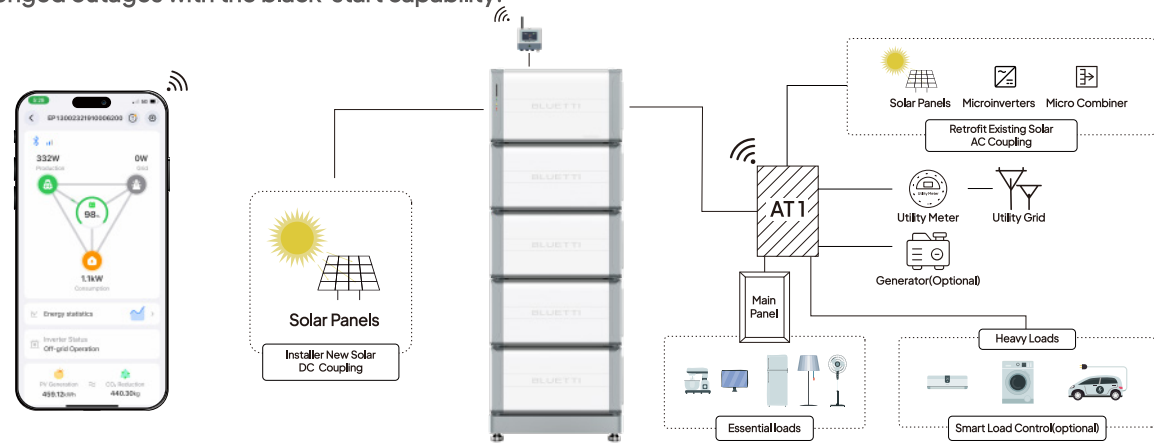## EnergyPro 13K Whole-Home Energy Solution with AT1

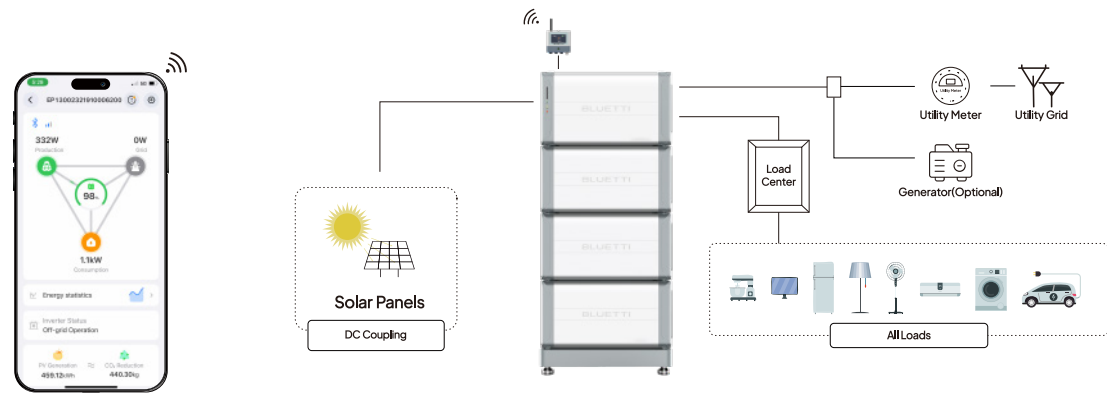### EnergyPro 13K + EnergyPack 500 + AT1

Transform your home into a self-sufficient microgrid. This configuration integrates effortlessly with your existing solar system, including microinverters and string inverters. Not only will your solar system continue to work during outages, but it also reboots even after prolonged outages with the black-start capability.

EnergyPro 13K Whole-Home Energy Solution with EMS

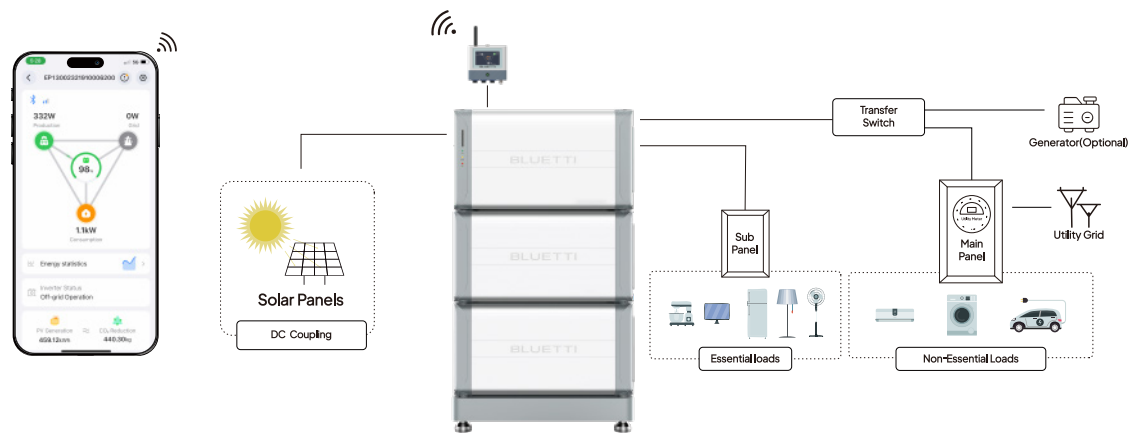### EnergyPro 13K + EnergyPack 500 + EMS

For comprehensive home backup, this solution provides a robust energy storage system that installs between your meter and main panel. Capable of handling up to 200A bypass current, it ensures your entire home remains powered during outages.

EnergyPro 13K Partial Home Backup Solution with EMS

EnergyPro 13K + EnergyPack 500 + EMS

Start small and expand later. This setup allows you to begin with backup power for essential loads and upgrade as your needs grow. With the ability to scale up at any time, you can gradually power more appliances and extend backup time.

Contact Us

BLUETTI | TECHNOLOGY PIONEER IN CLEAN ENERGY

EnergyPro 13K Whole-Home Energy Solution

Power for All

13.2kW Output

22kW PV Input

200A Passthrough

150 LRA Load Start

EnergyPro Whole-Home Energy Solution

The BLUETTI EnergyPro Whole-Home Energy Solution is a cutting-edge backup system that enhances home energy management and storage. It comprises three main components: the EnergyPro 13K Hybrid Inverter, EnergyPack 500 Battery Packs, and the AT1 Smart Distribution Panel. With EnergyPro, you can efficiently manage your entire home's energy, prepare for power outages, and maximize solar energy—all in one go.

Microgrid Ready

EnergyPro transforms your entire home into a self-sustaining microgrid. Whether connected to the grid or operating independently during an outage, it ensures you always have reliable power.

Whole-Home Backup

With a built-in 200A Automatic Transfer Switch(ATS), there's no need to separate critical loads—your entire home is covered.

Smart Load Control

The AT1 smart distribution panel enables intelligent load management, bi-directional EV charging, and generator control for optimal power allocation.

Seamless Solar Integration

EnergyPro easily works with your new or existing microinverters, maintaining solar power even during outages with black-start capability.

Hassle-Free Installation

Designed with user feedback in mind, the EnergyPro system can be installed by two people within an hour—no special equipment or lifting required.

EnergyPro 13K
Hybrid Inverter

The EnergyPro 13K is a powerful 13kW hybrid inverter with a 200A ATS bypass. It accepts 22kW of solar input and backs up the entire house during blackouts. It can start heavy loads up to 150 LRA, such as a 5-ton central air conditioner. Supporting both DC and AC coupling, it fits your new or existing solar systems.

EnergyPack 500
Battery Pack

For ultimate safety and durability, the EnergyPack 500 Battery Pack features reliable LiFePO4 cells and an advanced Battery Management System (BMS). The stackable design allows you to expand your storage capacity as your needs grow. With its innovative self-heating technology, it delivers reliable power even at low temperatures.
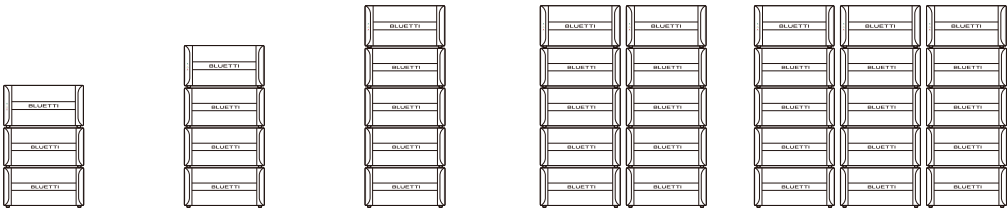
AT1
Smart Distribution Panel

The AT1 Panel acts as the central hub for your home's power. It connects your solar panels, grid power, inverters, battery packs, and generators, ensuring an uninterrupted power supply to your entire home. Plus, it offers intelligent heavy-duty load management and supports bi-directional EV charger.

Technical Specification

Energy Solutions	1*EnergyPro 13K +2*EnergyPack 500	1*EnergyPro 13K + 3*EnergyPack 500	1*EnergyPro 13K + 4*EnergyPack 500	2*EnergyPro 13K + 8*EnergyPack 500	3*EnergyPro 13K + 12*EnergyPack 500	Unit
Number of Inverter		1		2	3	#
Max. Solar Input		22		44	66	kW
Load Start Capability		150		300	450	LRA
Max. Output with Solar		13.2		26.4	39.6	kW
Max. Output without Solar	7.6	11.5	13.2	26.4	39.6	kW
Number of Battery	2	3	4	8	12	#
Rated Capacity	9.6	14.4	19.2	38.4	57.6	kWh

EnergyPro 13K Hybrid Inverter

General

Operating Temperature	-4°F~131°F
Noise	≤50dB(A)
Net weight	105 lbs (48 kg)
Cooling	Forced Air Cooling
Connectivity	USB/Wi-Fi/Bluetooth
Protection Grade	NEMA 4X
Warranty	10 Years
Dimensions	25.0 × 12.8 × 14.6 inch
Rated Frequency	60 Hz
UPS Time	<20ms
Split Phase	L1/L2/N/G
Max.continuous input current	155A

PV INPUT(DC-Coupled)

Max. Power	22kW
MPPT Voltage Range	100V~480V/350V
MPPT Channel	4
Single MPPT Input Current	15A Max.
Single MPPT Short Circuit Current	18A Max.

AC OUTPUT(Backup)

Rated Power	13.2kW
Output current	55Ax2
Load Start Capability	150LRA
Rated Voltage	120V/240V
Frequency	60 Hz

EnergyPack 500 Battery Pack

Battery Chemistry	LiFePO4
Capacity	4.8kWh
DOD	95%
Net Weight	127.8 lbs
Protection Grade	NEMA 4X
Dimensions	25.0 × 12.8 × 13.3 inch

AT1 Smart Distribution Panel

General

Operating Temperature	-4°F~122°F
Net weight	44 lbs
Communication	Bluetooth/WIFI/RS485
Protection Grade	NEMA 3R
Warranty	10 Years
Dimensions	21.7 × 6.4 x 31.5 inch

Electrical

Coupling	AC-coupled
Split Phase	L1/L2/N/G
Current Rating	200A
Rated Voltage	120V/240V
Rated Frequency	60 Hz
UPS Time	<20ms
Grid Current	200A Max. (160A Continuous)
Backup Current	200A Max. (160A Continuous)
ESS Current	2*80A
Generator Current	80A
Solar Current(Microinverters)	80A
Smart-load Current	80A

*Specifications are not final and subject to change without notice.