



# **BLUETTI EP600**

6000W Energy Storage System

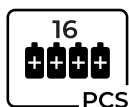
## SPECIFICATIONS

From the very beginning, BLUETTI has tried to stay true to a sustainable future through green energy storage solutions for both indoor and outdoor use while delivering an exceptional eco-friendly experience for everyone and the world. BLUETTI is making its presence in 70+ countries and is trusted by millions of customers across the globe.

Apart from 6000W output, 6000W input and 79kWh maximum capacity, EP600 is a modular ESS(Energy Storage System) that also features an intelligent Battery Management System (BMS) , a reliable Lithium Iron Phosphate (LFP) battery pack, along with an intuitive APP and fast charging capability through the mains and solar energy, always giving you an optimal performance regardless of the cold or hot weather.

Whether you're trying to get rid of high electric bills, tired of fluctuating power supply that happens every now and then, or preparing for clean energy solutions, the BLUETTI EP600 ESS is ready to help.

EP600 ENERGY STORAGE SYSTEM*						
Battery Modules(B500 *2 - 16)	2	3	4	8	12	16
Capacity	9.9kWh	14.8kWh	19.8kWh	39.6kWh	59.5kWh	79.3kWh
Output Power	6kW					
Maximum Input Apparent Power	12kVA					
Maximum Input Current	18A					
Input Frequency	50Hz					
Round-trip Efficiency	>82% (AC/AC)					
On and Off-Grid Switching Time	<10ms					
Phase	L1/L2/L3/N/PE					



Modular Battery



Large Capacity



High Output



Fast Input



Warranty

VERSATILE		SMART	SAFE
<p><b>24/7 UPS</b></p> <ul style="list-style-type: none"> <li>Adjustable Energy Plan</li> <li>Peak-load Shifting</li> <li>&lt;10ms Switching Time</li> </ul>		<p><b>APP Remote Control</b></p> <ul style="list-style-type: none"> <li>Wifi/Bluetooth/USB Connectivity</li> <li>Over-the-air Update</li> </ul>	<ul style="list-style-type: none"> <li>No Fume</li> <li>Reliable BMS</li> <li>Premium LFP Battery</li> <li>Passive/Active Cooling</li> </ul>
SIMPLE		POWERFUL	
<ul style="list-style-type: none"> <li>Easy Setup (Indoor/Outdoor)</li> <li>Household AC Wiring Interconnection</li> </ul> <p><b>All-in-one Energy Storage System</b></p>		<ul style="list-style-type: none"> <li>79kWh Battery Modules</li> <li>6000W Solar and AC Charging</li> </ul> <p><b>6000W Pure-sine-wave Inverter</b></p>	

## SPECIFICATIONS

### PV INPUT

Maximum Power	6kW
MPPT Voltage	150-500V
MPPT Channel/Array	2/1
Single MPPT Maximum Current	12.5A
MPPT Efficiency	99.9%
Energy Efficiency Ratio (EER)	Max 93.6%

### AC OUTPUT(OFF-GRID)

Power	6kW
Voltage	230/400V
Current	8.7A *3
Frequency	50Hz
Efficiency	Max 94%
Voltage Total Harmonic Distortion (THD)	<3%

### AC OUTPUT(GRID-TIED)

Power	6kW
Voltage (Adaptive)	230/400V
Current	8.7A *3
Frequency	50Hz
Power Factor(PF)	0.9 leading to 0.9 lagging
Current THD(Rated Power)	<3%

### COMPLIANCE

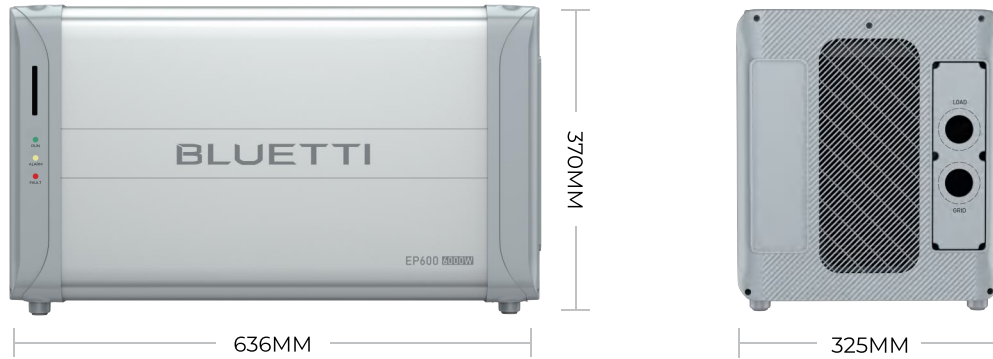
Safety	IEC62109-1, IEC62109-2, EN62109-1, EN62109-2
Grid Connections	VDE-AR-N 4105, VDE V 0124-100
Emissions(EMC/EMI)	EN/IEC 61000-6-1, EN/IEC 61000-6-3
RoHS	RoHS 2.0
IP65	IEC60529
Certifications	CE

### MANAGEMENT SYSTEM

Anti-islanding Protection	Reverse Polarity Protection
Residual Current Monitor	Insulation Resistance Detection
Output Overcurrent Protection	Arching Protection
Short-circuit Protection	Cell Over/Undervoltage Protection
Charge Over/Under Temperature Protection; Discharge Over/Under Temperature Protection	

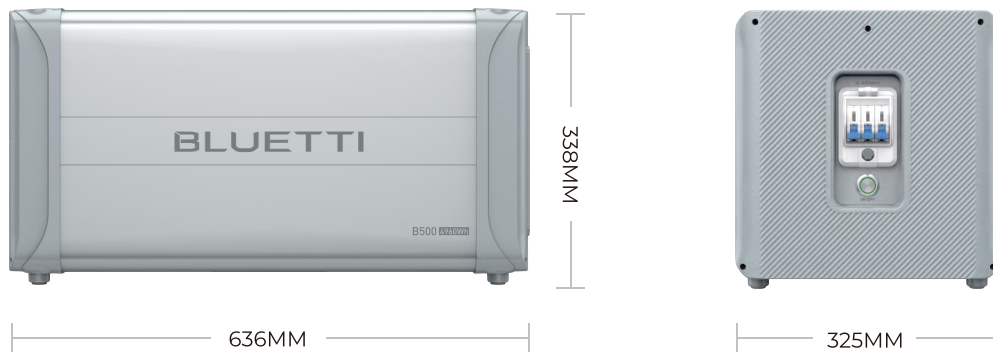
# SPECIFICATIONS

## EP600 DIMENSIONS



Working Humidity	5 to 95%	Working Altitude	≤6561FT/ 2000M
Working Temperature	-4 to 122°F/ -20 to 50°C	Dimensions(L*W*H)	25*12.8*14.6IN/ 636*325*370MM
Noise	50dB	Net Weight	88LB/ 40KG
Cooling	Air Cooling	Connectivity	Wi-Fi/ Bluetooth/ USB
NEMA Rating	NEMA 4X	Limited Warranty	10 Years

## B500 DIMENSIONS



Battery Chemistry	LiFePO <sub>4</sub>	Working Temperature	-4 to 104°F/-20 to 40°C
Battery Capacity	4.96kWh	Dimensions(L*W*H)	25*12.8*13.3IN/ 636*325*338MM
Noise	25dB	Weight	123.4LB/ 56KG
Cooling	Passive, No Fan	IP Rating	IP65
<b>Compliance</b>		IEC62619, UL1973, UN38.3	

\* Specifications are subject to change without notice.

### POWEROAK GMBH

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