

EP600 General	
Working Environment Temperature	-20°C to 50°C
Dimensions	636mm*325mm*370mm
Noise	≤50dB (A)
Net Weight	42kg
Cooling	Forced Air Cooling
Connectivity	Wi-Fi / Bluetooth
Degree of Protection	IP65
Limited Warranty	10 Years

B500 Modular Battery	
Battery Chemistry	LiFePO <sub>4</sub>
Working Altitude	2,000m max.
Working Environment Temperature	-20°C to 40°C
Battery Capacity	4.96kWh
Dimensions (L*W*H)	636mm×325mm×338mm
Noise	<25dB
Net Weight	58kg
Cooling	Passive Cooling
IP Rating	IP65

\*Specifications are subject to change without notice



Contact Us



EN-V3.1



# BLUETTI EP600

Residential Energy Storage System



Three-phase Output  
Up to 12,000W in Parallel



Dual Voltage  
230V/400V



Capacity  
Up to 39,680Wh









PV input  
Up to 12,000W

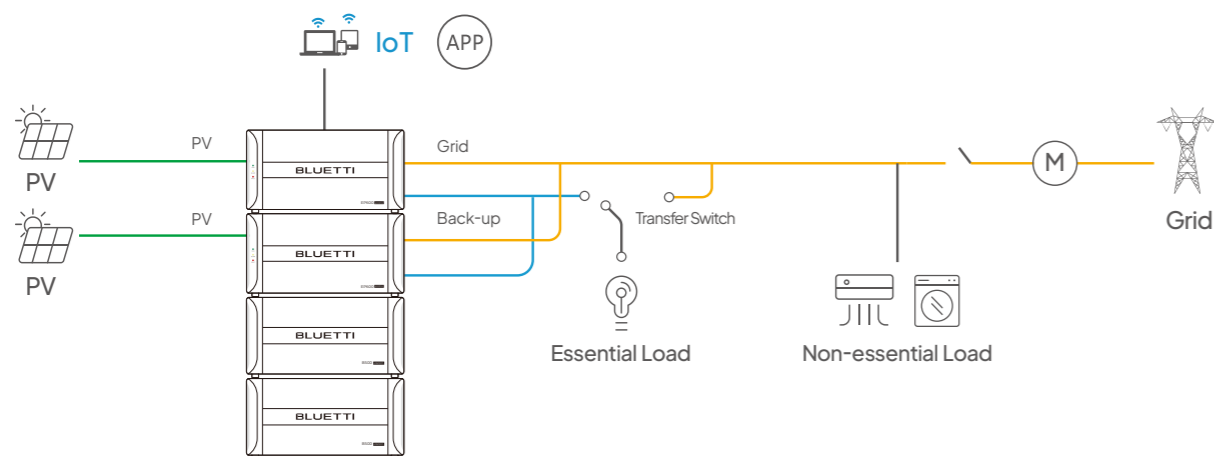
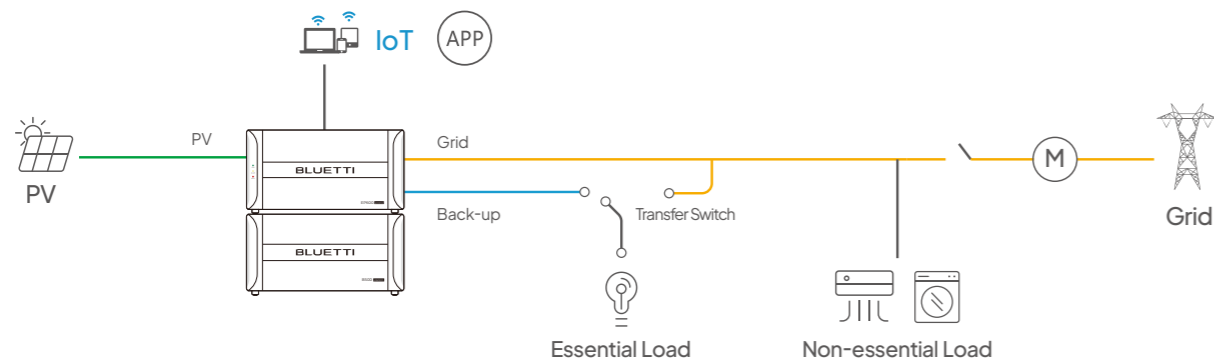
BLUETTI is a leading provider of residential and portable energy storage solutions with patented technology and intellectual property rights. Its EP600 system is a safe, reliable and high-performance product that can store and release solar energy, provide off-grid power and interface with the grid. EP600 can optimize energy consumption patterns and enable homeowners to achieve energy savings and energy independence.

## Home energy storage revolution

### Electricity-Free

FLEXIBLE	POWERFUL	CONVENIENT
 <p>4.9kWh-39.6kWh<sup>1</sup> Customizable battery capacity</p>	 <p>6000W X 2 power output<sup>1</sup> Covers 99% of household appliances</p>	 4x2 <sup>1</sup> <p>Innovative modular design Easy assembly and disassembly</p>
SAFE	RELIABLE	SMART
 <p>Lithium iron phosphate battery Ensures electrical safety</p>	 <p>Uninterruptible power supply Reduces interference and provides continuous power</p>	 <p>Remote control via APP User-friendly and convenient</p>

[1] Two EP600 connected in parallel only on-grid



EP600 6000W Residential Energy Storage System								
EP600	1				2			
Battery Modules	1	2	3	4	2	4*	6*	8*
Capacity	4.9kWh	9.9kWh	14.8kWh	19.8kWh	9.9kWh	19.8kWh	29.7kWh	39.6kWh
Battery Grid-tied Discharge Power	5000W	6000W			10000W	12000W		
Battery Off-grid Discharge Power	3500W	6000W			7600W	12000W		
PV + Battery Discharge Power	6000W	6000W			12000W	12000W		
Input Frequency	50Hz							
On/Off-Grid Switching Time	<10ms							
Phase	L1/L2/L3/N/PE							

\* The output power may vary in different modes: battery only, on grid, and with PV.

PV INPUT (Per Inverter)	
Maximum Input Power	6 kW
MPPT Voltage Range/Rated	150V~500V/360V
MPPT Channel	2
Single MPPT Maximum Input Current	12.5 A

AC OUTPUT (Per Inverter)	
Rated Output Power	6 kW
Output Voltage	230V/400V
Output Current	8.7A*3
Output Frequency	50Hz
Inversion Efficiency	94% Max.

COMPLIANCE	
Compliance	IEC 62477-1: 2012、 EC 62477-1: 2012、 EN 62477-1: 2012、 IEC62109-1、 IEC62109-2 EN62109-1、 EN62109-2
Grid connections	(EU) 2016/631, EN 50549-1, VDE-AR-N 4105, DIN VDE V 0124-100 (VDE V 0124-100), UTE C 15-712-1, DIN V VDE V 0126-1-1, Enedis-PRO-RES_10E version 5, VFR, C10/I1, TOR Erzeuger Type A version 1.2, OVE-Richtlinie R 25, G98 Issue 1 Amendment 7, PSE, PTPIREE, RD647, UNE 217002, CEI 0-21-03 + V1-11
Emmissions	EN IEC 61000-6-3, EN IEC 61000-6-1
RoHS	2011/65/EU and (EU) 2015/863
Degree of Protection	IP65
Certification	CE,CB
Safety	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2