



EndurEnergy Systems, Inc.

## Battery Unit

# ESP-IBU10

Integrated Residential Storage Product  
Up to 10.24 kWh Energy Storage  
Up to 12 kW AC Output Power



### General Specifications

Dimensions (H x W x D)	64.4 x 28.4 x 14.1 in (1636 x 721 x 358 mm)	
Enclosure Weight	194 lb (88 kg)	
Assembly Weight*	457.24 lb (207.4 kg)	474.88 lb (215.4 kg)
Material	Steel	
Color and finish	Gray / Powder Coated	
Protection level	NEMA 3R	
Warranty	10-Year	
Compliance	UL9540, UL1973, CEC and SGIP listed / EMC tested (Only ESP-5100) / UL9540A (Only ESP-5K HL)	
Inverter Compatibility	Sol-Ark 5K / Sol-Ark 8K / Sol-Ark 12K / Sol-Ark 8K EMP / Sol-Ark 12K EMP	

\*2 battery modules, enclosure and SA-12K inverter

### Battery Specifications

Battery Module	2 x ESP-5100	2 x ESP-5K HL
Battery Type	Lithium Iron Phosphate (LFP)	
Nominal Voltage	51.2V	
Working Voltage	48V - 56V	48V - 57.6V
Battery Capacity	200Ah	
Nominal Battery Energy	10.24kWh	10kWh
Peak Power	10kW 3s	
Recommended C Rate	0.5	
Round Trip Efficiency	97%	
Recommended DoD	90%	
Charge Temperature Range	32 °F to 113 °F (0 °C to 45 °C)	32 °F to 122 °F (0 °C to 50 °C)
Discharge Temperature Range	14 °F to 122 °F (-10 °C to 50 °C)	14 °F to 131°F (-10 °C to 55 °C)
Life Cycles	6000	

⚡ **OUTLAST. OUTPERFORM. ENDUR™ IT ALL.** ⚡

EndurEnergy Systems, Inc.

©2024 EndurEnergy Systems, Inc. All rights reserved. All specifications are subject to change without notice.  
1-888-E<sup>2</sup>-ENDUR (323-6387) • endurenergy.com • sales@endurenergy.com • support@endurenergy.com

Rev. B 01/10/24