



EndurEnergy Systems, Inc.

Battery Unit

ESP-BU20

Residential Storage Product
20.48 kWh Battery Pack with BMS



Sense the Difference.
Live the Power.

Model	ESP-BU20
Nominal Voltage	51.2 V
Working Voltage	48 V - 56 V
Recommended C rate	0.5 C
Round Trip Efficiency	97%
Recommended DoD	90%
Charge Temperature Range	32 °F to 113 °F (0 °C to 45 °C)
Discharge Temperature Range	14 °F to 122 °F (-10 °C to 50 °C)
Life Cycles	6000
Protection Level	IP55
Size (L x W x H)	22.9 x 14.1 x 48.2 in (581.7 x 358.1 x 1224.3mm)
Enclosure Weight	130 lb (59 kg)
Battery Type	Lithium Iron Phosphate (LFP)
Warranty	10-Year
Compliance	UL9540, UL1973, CEC and SGIP listed

Configurations (ESP-5100)

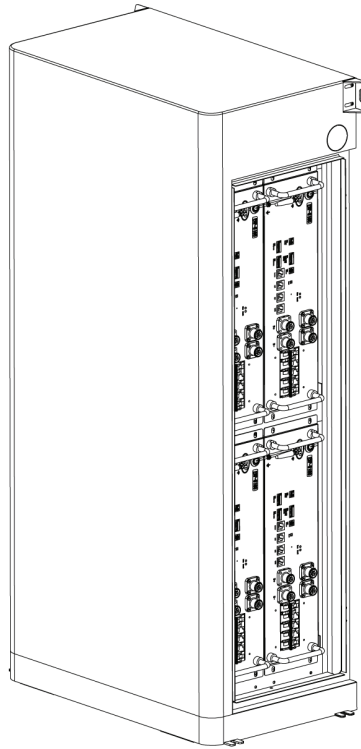
Battery Packs in Parallel	1	2	3	4
Battery Capacity	100 Ah	200 Ah	300 Ah	400 Ah
Nominal Energy	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh
Weight	231.5 lb (105 kg)	332.9 lb (151 kg)	434.3 lb (197 kg)	535.7 lb (243 kg)

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

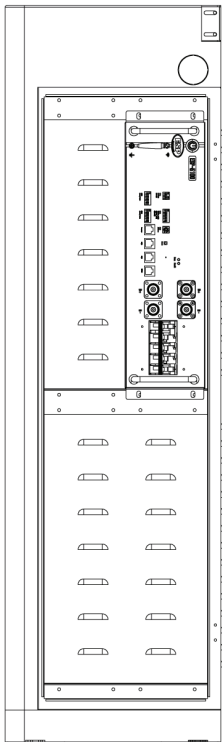
Configurations (ESP-5K HL)

Battery Packs in Parallel	1	2	3	4
Battery Capacity	97.656 Ah	195.312 Ah	292.968 Ah	390.624 Ah
Nominal Energy	5 kWh	10 kWh	15 kWh	20 kWh
Weight	231.5 lb (105 kg)	332.9 lb (151 kg)	434.3 lb (197 kg)	535.7 lb (243 kg)

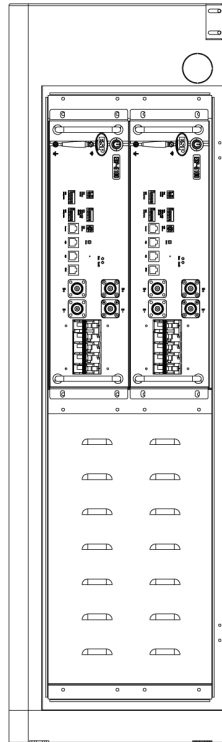
Mechanical Drawings



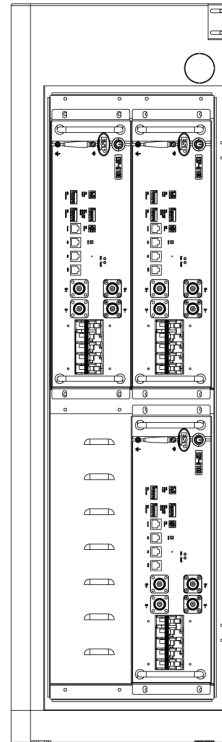
Isometric View



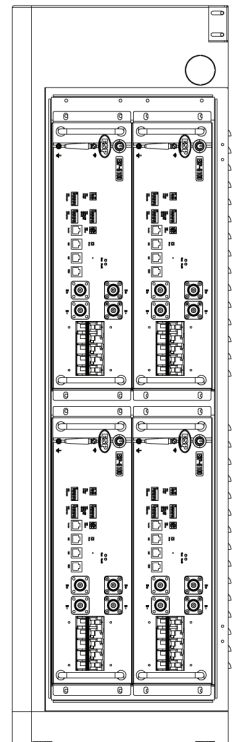
1 Battery Pack Configuration



2 Battery Pack Configuration



3 Battery Pack Configuration



4 Battery Pack Configuration

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