



EndurEnergy Systems, Inc.

Battery Unit

ESP-BU30

Storage Product
30.72 kWh Battery Pack with BMS



Sense the Difference.
Live the Power.

Model	ESP-BU30
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)	26.7 x 15 x 67.5 in (677 x 383 x 1715 mm)
Enclosure Weight	176 lb (80 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	5	6
Storage Capacity	100 Ah	200 Ah	300 Ah	400 Ah	500 Ah	600 Ah
Nominal Voltage	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V
Working Voltage	48V - 56V	48V - 56V	48V - 56V	48V - 56V	48V - 56V	48V - 56V
Nominal Energy	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh
Weight	277.8 lb (126 kg)	379.2 lb (172 kg)	480.6 lb (218 kg)	582 lb (264 kg)	683.4 lb (310kg)	784.8 lb (356 kg)

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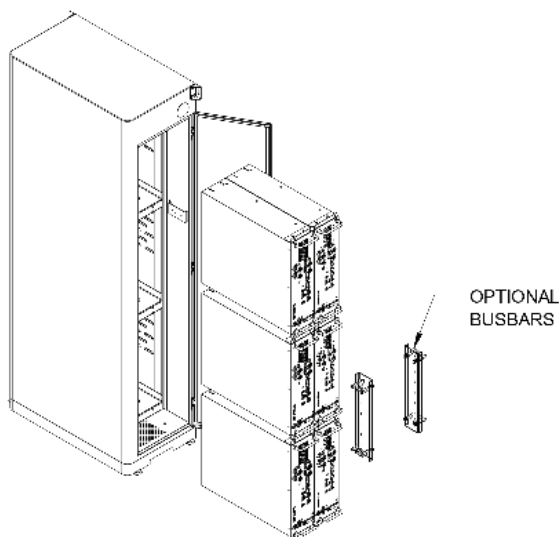
Configurations (ESP-5K HL)

Battery Packs In Series	1	2	3	4	5	6
Storage Capacity	97.656 Ah	97.656 Ah	97.656 Ah	97.656 Ah	97.656 Ah	97.656 Ah
Nominal Voltage	51.2V	102.4V	153.6V	205.6V	256.8V	308V
Working Voltage	48V - 56V	96V - 112V	144V - 168V	192V - 224V	240V - 280V	288V - 336V
Nominal Energy	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Weight	277.8 lb (126 kg)	379.2 lb (172 kg)	480.6 lb (218 kg)	582 lb (264 kg)	683.4 lb (310kg)	784.8 lb (356 kg)

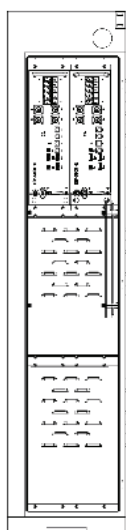
Configurations (ESP-5K HL)

Battery Packs In Parallel	1	2	3	4	5	6
Storage Capacity	97.656 Ah	195.312 Ah	292.968 Ah	390.624 Ah	488.28 Ah	585.936 Ah
Nominal Voltage	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V
Working Voltage	48V - 56V	48V - 56V	48V - 56V	48V - 56V	48V - 56V	48V - 56V
Nominal Energy	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Weight	277.8 lb (126 kg)	379.2 lb (172 kg)	480.6 lb (218 kg)	582 lb (264 kg)	683.4 lb (310kg)	784.8 lb (356 kg)

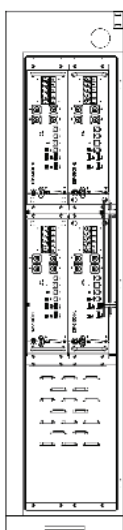
Mechanical Drawings



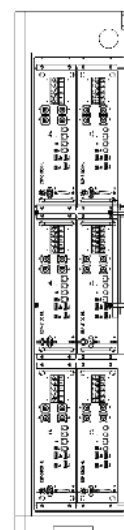
Exploded View



2 Battery Pack Configuration



4 Battery Packs Configuration



6 Battery Packs Configuration

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