

HYPERPACK ENERGY

HyperPack is a modular EV battery designed to be simple, safe, and easy to install in almost any application. In various configurations, packs are engineered to fulfill energy storage needs all the way up to 120 kWh.

In **ENERGY** configuration, HyperPack batteries offer greater energy density for when range is more important than raw power.

TECHNICAL SPECIFICATIONS

Capacity (Single Pack) 10.2 kWh

Energy Density 172.3 Wh/kg

Charging System L2, CSS

Cycle Life 80% after 500 Cycles

Weight (Single Pack) 130 lbs (59 kg)

Length (Single Pack) 30.4 in (77.2 cm)

Width (Single Pack) 14.0 in (35.6 cm)

Height (Single Pack) 6.3 in (16 cm)

BATTERY INFORMATION

Technology Li-Ion

Thermal Management System Built In

HV Connectors Amphenol POWERLOK 300

LV Connectors Molex MX150 Series

Ingress Protection IP67

Mounting 8mm Threaded Holes (40 Locations)

Communications Hypercraft VCU/BMS Control Unit

Manufacturer Hypercraft

Country of Origin USA

Warranty Limited/Varies by Application



HYPERPACK | CONFIGURATION SPECIFICATIONS

PACK LEVEL

MODEL NAME	EX-16S36P-E	EX-24S24P-E	EX-32S18P-E	EX-48S12P-E
MAXIMUM VOLTAGE	67.2 V	100.8 V	134.4 V	201.6 V
MINIMUM VOLTAGE	40.0 V	60.0 V	80.0 V	120.0 V
CAPACITY	176.4 Ah	117.6 Ah	88.2 Ah	58.8 Ah
PEAK CHARGE RATE (DECREASED CYCLE LIFE)	176.4 A	117.6 A	88.2 A	58.8 A
CONTINUOUS CHARGE RATE	88.2 A	58.8 A	44.1 A	29.4 A
PEAK DISCHARGE RATE (DECREASED CYCLE LIFE)	529.2 A	352.8 A	264.6 A	117.6 A
CONTINUOUS DISCHARGE RATE	300.0 A	235.2 A	176.4 A	117.6 A

400V BATTERY STACK CONFIGURATIONS

MODEL NAME	EX-16S36P-E	EX-24S24P-E	EX-32S18P-E	EX-48S12P-E
# OF PACKS	6	4	3	2
ENERGY CAPACITY	61.0 kWh	40.6 kWh	30.5 kWh	20.3 kWh
CONTINUOUS POWER	121.9 kW	81.3 kW	61.0 kW	40.6 kW
PEAK POWER	182.9 kW	121.9 kW	91.4 kW	61.0 kW
WEIGHT	780 lbs (353.8 kg)	520 lbs (235.9 kg)	390 lbs (176.9 kg)	260 lbs (117.9 kg)

600V BATTERY STACK CONFIGURATIONS

MODEL NAME	EX-16S36P-E	EX-24S24P-E	EX-32S18P-E	EX-48S12P-E
# OF PACKS	9	6	N/A	3
ENERGY CAPACITY	91.4 kWh	61.0 kWh	N/A	30.5 kWh
CONTINUOUS POWER	182.9 kW	121.9 kW	N/A	61.0 kW
PEAK POWER	274.3 kW	182.9 kW	N/A	91.4 kW
WEIGHT	1170 lbs (530.7 kg)	780 lbs (353.8 kg)	N/A	390 lbs (176.9)

800V BATTERY STACK CONFIGURATIONS

MODEL NAME	EX-16S36P-E	EX-24S24P-E	EX-32S18P-E	EX-48S12P-E
# OF PACKS	12	8	6	4
ENERGY CAPACITY	121.9 kWh	81.3 kWh	61.0 kWh	40.6 kWh
CONTINUOUS POWER	243.9 kW	162.6 kW	121.9 kW	81.3 kW
PEAK POWER	365.8 kW	243.9 kW	182.9 kW	121.9 kW
WEIGHT	1560 lbs (707.6 kg)	1040 lbs (471.7 kg)	780 lbs (353.8 kg)	520 lb (235.87 kg)

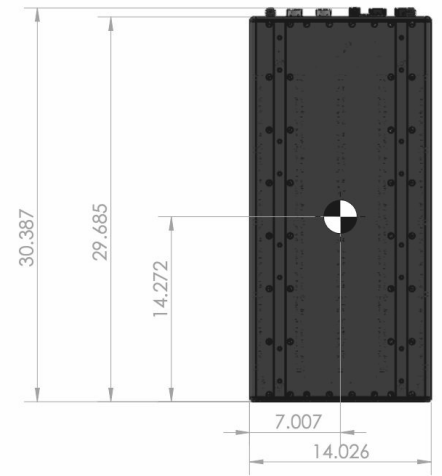
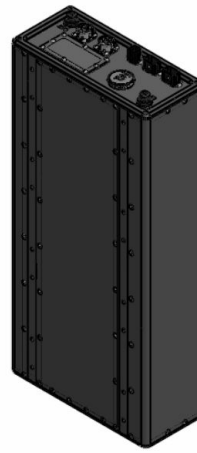
THERMAL MANAGEMENT

Thermal Management: Liquid

Internal Fireproofing: FR Foam Potting

Temperature Range (Charging): 0 to 45 °C

Temperature Range (Discharging): -20 to 60 °C

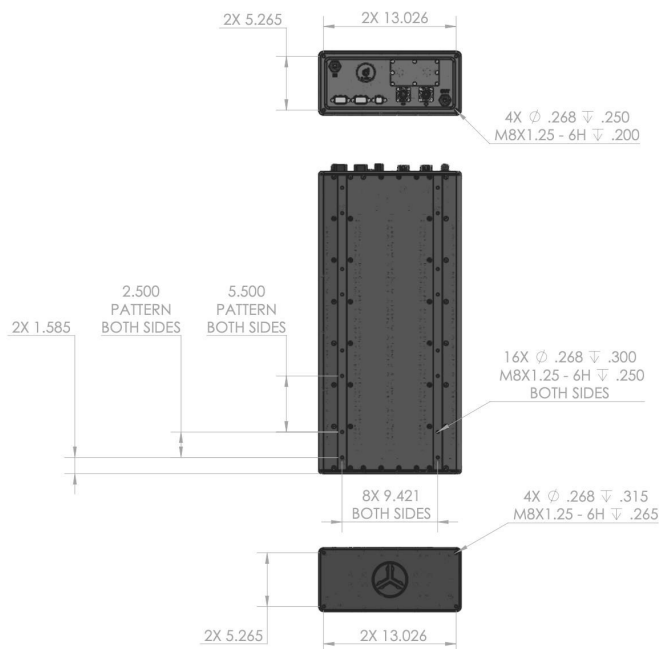


MOUNTING OPTIONS

Top Mounting: M8 x 1.25 Bolt Pattern

Connectors: Straight or 90° Amphenol

Cooling Connectors: -10AN ORB Connector



APPLICATIONS

Defense

Racing

Automotive

Marine

Commercial/Fleet

