

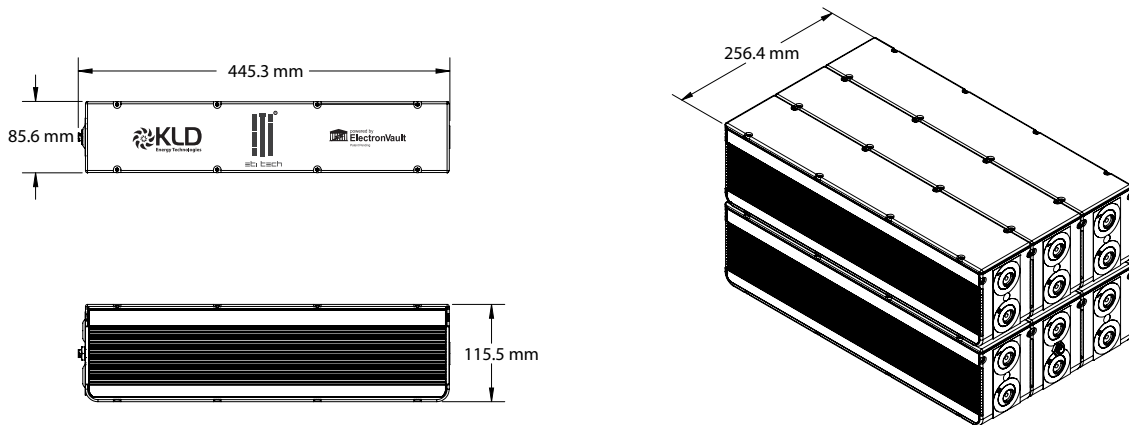


The Leader in Electric Propulsion and Generation Systems

KLD D1164 ELECTRIC DRIVE SYSTEM

BP180517 BATTERY SYSTEM

Our state-of-the-art energy system is made up of 6 interlinked battery packs to provide sustainable power that is flexible, highly efficient, and easy to maintain. KLD's patent-pending battery technology is designed to meet the growing demand for powerful yet sensible energy for electric vehicles.



Battery Features

- Cell manufacturer and chemistry agnostic
- Advanced Battery Management System (BMS) with patent-pending cell circuitry
- Customizable - reconfigure cells for variable voltage and current
- Low cost of ownership (per delivered kWh)
- Safety - BMS manages overcharging, overheating, and cell degradation
- Low temperature/high efficiency design allows the same number of cells to deliver more current
- Efficient thermal management ensures a longer-lived battery

† Portions of the Battery System are under license from ElectronVault™. All systems are patent-pending.

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BP180517 BATTERY SYSTEM † Specifications (based on 6-battery pack configuration)

Battery pack type	Li-ion 18650
Battery management system	integrated
Nominal Voltage	54 VDC
Terminal Type	custom
Standard discharge @ 23°C	110 A
Standard charge 61 VDC @ 20A	4 hr
Operating Humidity	5% to 95% non condensing
Operating Temperature	0° C - 60° C
Storage Temperature	0° C - 60° C
Cell Certification	UL 1642
Battery Module Dimensions	85.3mm x 115.7mm x 436mm
Battery Module Weight	7.2 kg
Battery Pack Dimensions	256mm x 232mm x 436mm
Battery Pack Weight	43 kg

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**Derated above 45°C ambient

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