

BOLD HP HIGH-PERFORMANCE BATTERY SYSTEM

A modular high-power battery system designed for defense vehicles and high-performance mobility platforms. It combines high energy density with **extreme power capability**, enabling propulsion, silent operations and mission-critical functionality. It offers over **100 battery pack configurations**, with energy capacities ranging from 6 kWh to 40 kWh at pack level, and up to 1 MWh at system level.

- ✓ Battery platform with integrated BMS and modular design
- ✓ Configurable off-the-shelf solutions enabled by digital sales tools
- ✓ Engineered for resilience under extreme temperatures and high-vibration environments
- ✓ Cell-level thermal runaway resistance ensuring maximum operational safety
- ✓ 48V-1000V architectures tailored to mission requirements
- ✓ Up to 250 Wh/kg energy density and 1 MW system capacity
- ✓ S9310 (under testing), UN38.3 certified, MIL-STD-810H validated
- ✓ EU design and production

MULTIPLE CONFIGURATIONS WITHIN THREE SIZES AVAILABLE



Dimensions and Weight

Short pack: 763x400x100 mm
Weight: < 30 kg

Dimensions and Weight

Medium pack: 1050x400x100 mm
Weight: < 56 kg

Dimensions and Weight

Large pack: 1300x400x100 mm
Weight: < 65 kg

BOLD

POWERING THE FUTURE
IN DEFENSE AND MOBILITY

Enquiries: sales@boldtechnology.com

BOLD HP SPECIFICATIONS

A representative selection of BOLD HP pack configurations, available in three variants: **BOLD HP**, **BOLD HP Power+**, and **BOLD HP Energy+**.

Battery Pack Size	Pack Voltage [max/nom/min] Ordered by pack voltage [V]	BOLD HP		BOLD HP POWER +		BOLD HP ENERGY +	
		Nominal Energy [kWh]	Continuous Power Charge/Disch. [kW]	Nominal Energy [kWh]	Continuous Power Charge/Disch. [kW]	Nominal Energy [kWh]	Continuous Power Charge/Disch. [kW]
Short	112V (134V/80V)	5 kWh	15/50 kW	6 kWh	17/78 kW	6 kWh	6/14 kW
	168V (202V/120V)	6 kWh	18/60 kW	7 kWh	20/94 kW	8 kWh	7/17 kW
	224V (269V/160V)	6 kWh	18/60 kW	7 kWh	20/94 kW	8 kWh	7/17 kW
	336V (403V/240V)	6 kWh	18/60 kW	7 kWh	20/94 kW	8 kWh	7/17 kW
	672V (806V/480V)	6 kWh	18/60 kW	7 kWh	20/94 kW	8 kWh	7/17 kW
Medium	168V (202V/120V)	8 kWh	23/76 kW	8 kWh	25/117 kW	10 kWh	8/21 kW
	224V (269V/160V)	9 kWh	27/91 kW	10 kWh	30/141 kW	11 kWh	10/25 kW
	280V (336V/200V)	9 kWh	26/88 kW	10 kWh	29/137 kW	11 kWh	10/25 kW
	336V (403V/240V)	9 kWh	27/91 kW	10 kWh	30/141 kW	11 kWh	10/25 kW
	392V (470V/280V)	9 kWh	26/88 kW	10 kWh	29/137 kW	11 kWh	10/25 kW
	448V (538V/320V)	8 kWh	24/81 kW	9 kWh	27/125 kW	10 kWh	9/22 kW
Long	224V (269V/160V)	10 kWh	30/101 kW	11 kWh	34/157 kW	13 kWh	11/28 kW
	280V (336V/200V)	11.7 kWh	34/113 kW	13 kWh	38/176 kW	16 kWh	13/32 kW
	336V (403V/240V)	11.7 kWh	32/106 kW	12 kWh	35/165 kW	13 kWh	12/29 kW
	392V (470V/280V)	11.7 kWh	32/106 kW	12 kWh	35/165 kW	13 kWh	12/29 kW
	504V (605V/360V)	11.7 kWh	34/113 kW	13 kWh	38/176 kW	14 kWh	13/32 kW
	616V (739V/440V)	11.7 kWh	33/111 kW	12 kWh	37/172 kW	14 kWh	12/31 kW

GENERAL SPECIFICATIONS	
Cell Technology	21700
System Parallelization	Up to 30 packs
Ambient Temp. Charge	0 to 60°C
Ambient Temp. Discharge	-40 to 60°C
Ambient Temp. Storage	-30 to 50°C
Ingress protection	IP67 / IP69K



POWERING THE FUTURE
IN DEFENSE AND MOBILITY

Enquiries: sales@boldtechnology.com