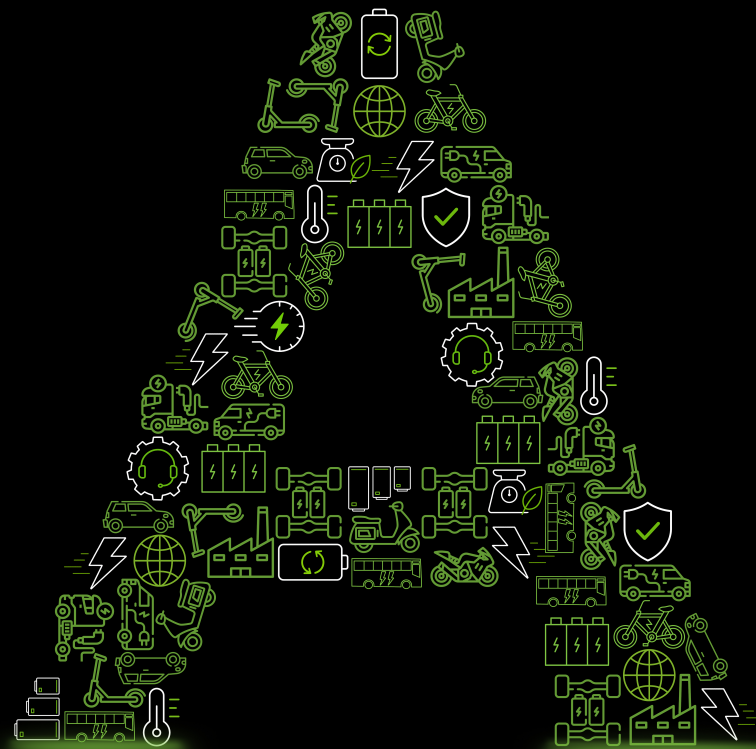




BATTERY CELL GUIDE

Powering **Innovation**
Delivering **Reliable** Battery Solution

Professional battery cell solutions for manufactures,
integrators and industrial customers across the world.



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ENERGY STORAGE
SYSTEMS



ELECTRIC
MOBILITY

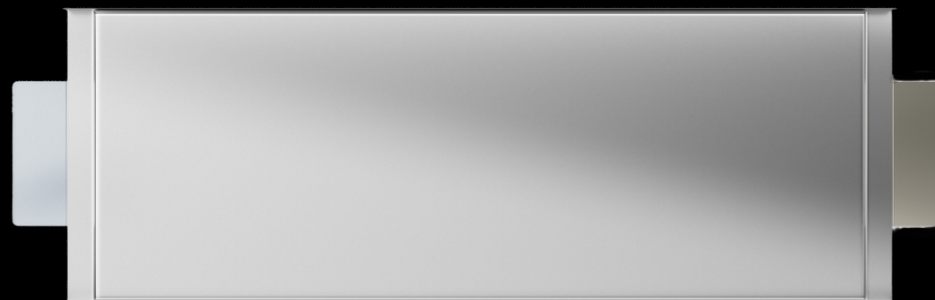


INDUSTRIAL
APPLICATIONS



SPECIFICATION

30 Ah Pouch Cell



DIMENSIONS (L*W*H)	326 x 79 x 6.5 mm	CHARGE TIME (10-80% SOC)	20 minutes
CHEMISTRY (CATHODE)	NCM 9	CELL WEIGHT	364 ±15 g
CHEMISTRY (ANODE)	Si-Graphite	STD. CYCLE LIFE TO 80% C/3-C/3; 90% DOD; 25 °C	> 1000 cycles
VOLTAGE RANGE	2.5-4.2 V	DISCHARGE PULSE 10s 25 °C; 50% SoC (C-rate)	10C
ENERGY DENSITY (C/3; 25 °C)	306 Wh/kg	MARKET SEGMENT	Light EV Personal EV
CAPACITY (C/3; 25 °C)	30.9 Ah	NOMINAL VOLTAGE (C/3; 25 °C)	3.50 V



SPECIFICATION

55 Ah Pouch Cell



DIMENSIONS (L*W*H)	231 x 161 x 9.7 mm	CHARGE TIME (10-80% SOC)	45 minutes
CHEMISTRY (CATHODE)	NCM 6	CELL WEIGHT	760 ± 15 g
CHEMISTRY (ANODE)	Graphite	STD. CYCLE LIFE TO 80% C/3-C/3; 90% DOD; 25 °C	> 2000 cycles
VOLTAGE RANGE	2.75-4.35 V	DISCHARGE PULSE 10s 25 °C; 50% SoC (C-rate)	5C
ENERGY DENSITY (C/3; 25 °C)	270 Wh/kg	MARKET SEGMENT	Urban EV Personal EV
CAPACITY (C/3; 25 °C)	55 Ah	NOMINAL VOLTAGE (C/3; 25 °C)	3.73 V



SPECIFICATION

58 Ah Pouch Cell

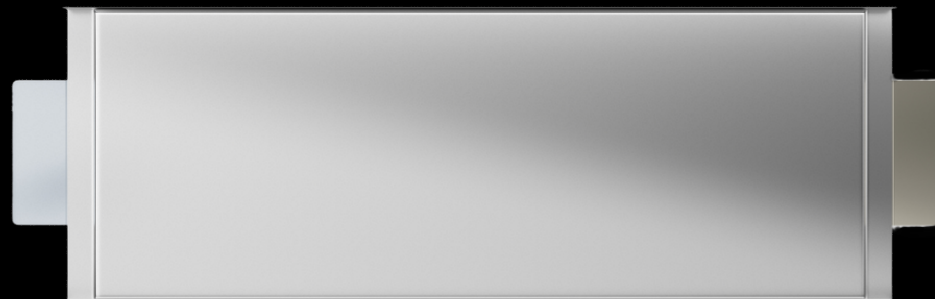


DIMENSIONS (L*W*H)	231 x 161 x 8.3 mm	CHARGE TIME (10-80% SOC)	30 minutes
CHEMISTRY (CATHODE)	NCM 6 + LMFP	CELL WEIGHT	711 ± 15 g
CHEMISTRY (ANODE)	Si-Graphite	STD. CYCLE LIFE TO 80% C/3-C/3; 90% DOD; 25 °C	> 1500 cycles
VOLTAGE RANGE	2.5-4.35V	DISCHARGE PULSE 10s 25 °C; 50% SoC (C-rate)	10C
ENERGY DENSITY (C/3; 25 °C)	293 Wh/kg	MARKET SEGMENT	Light EV Personal EV
CAPACITY (C/3; 25 °C)	58 Ah	NOMINAL VOLTAGE (C/3; 25 °C)	3.65 V



SPECIFICATION

73 Ah Pouch Cell



DIMENSIONS (L*W*H)	294 x 104 x 14.2 mm	CHARGE TIME (10-80% SOC)	30 minutes
CHEMISTRY (CATHODE)	NCM 8	CELL WEIGHT	941 ± 15 g
CHEMISTRY (ANODE)	Graphite	STD. CYCLE LIFE TO 80% C/3-C/3; 90% DOD; 25 °C	> 4000 cycles
VOLTAGE RANGE	2.75-4.2 V	DISCHARGE PULSE 10s 25 °C; 50% SoC (C-rate)	5C
ENERGY DENSITY (C/3; 25 °C)	283 Wh/kg	MARKET SEGMENT	Passenger EV Commercial EV Public EV
CAPACITY (C/3; 25 °C)	73 Ah	NOMINAL VOLTAGE (C/3; 25 °C)	3.65 V



SPECIFICATION

76 Ah Pouch Cell

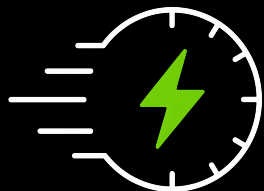


DIMENSIONS (L*W*H)	294.4 x 105.5 x 14.45 mm	CHARGE TIME (10-80% SOC)	45 minutes
CHEMISTRY (CATHODE)	NCM 8	CELL WEIGHT	971.5 ± 15 g
CHEMISTRY (ANODE)	Graphite	STD. CYCLE LIFE TO 80% C/3-C/3; 90% DOD; 25 °C	> 2000 cycles
VOLTAGE RANGE	2.75-4.2 V	DISCHARGE PULSE 10s 25 °C; 50% SoC (C-rate)	3.7C
ENERGY DENSITY (C/3; 25 °C)	284 Wh/kg	MARKET SEGMENT	Passenger EV Commercial EV Public EV
CAPACITY (C/3; 25 °C)	76 Ah	NOMINAL VOLTAGE (C/3; 25 °C)	3.65 V



TECHNOLOGY HIGHLIGHTS

Advanced battery technologies for reliable industrial applications



FAST CHARGING

10-80% charge in as little as 20-45 minutes.

Designed for applications requiring minimal downtime.



LONG CYCLE LIFE

Up to 4000+ cycles.

Excellent durability for intensive daily operation.



HIGH ENERGY DENSITY

Optimized Wh/kg ratio.

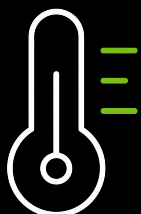
High capacity with reduced system weight.



HIGH POWER OUTPUT

Up to 10C pulse discharge.

Reliable performance under peak loads.



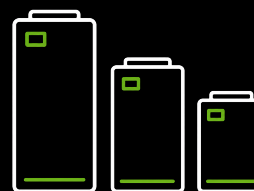
WIDE OPERATING RANGE

Stable operation across demanding environments.



RELIABLE SAFETY

High-quality cell production with consistent performance.



MULTIPLE CELL FORMATS

Available capacities for various battery architectures.



ENGINEERING SUPPORT

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