

D35 & D60

SuperBattery Cells

Skeleton's SuperBattery cells are high-power batteries with:

- Fast charging: up to 60C
- Highest energy for high-power batteries
- Extremely low internal resistance and high power
- Excellent safety - no thermal runaway
- High stability in extreme temperatures
- Up to 50 000 lifecycles



Electrical	D35	D60
Nominal voltage	1.8 V	1.8 V
Minimum voltage	1.3 V	1.3 V
Maximum voltage	2.2 V	2.2 V
Maximum C-rate (10s)	60 C	60 C
Maximum C-rate (full SOC range)	40 C	40 C
5s ESR	3.1 mOhm	0.7 mOhm

Energy	D35	D60
Rated capacity (1C)	7.5 Ah	33.0 Ah
Stored energy (1C)	57.7 Wh	57.7 Wh
Specific energy	67.9 Wh/kg	67.9 Wh/kg
Energy density	148.0 Wh/L	148.0 Wh/L

Power	D35	D60
Maximum power (10s)	630.0 kW	7220.2 kW
Max. power (full SOC range)	420.0 kW	1846.8 kW
Specific power (10s)	2.9 kW/kg	3.3 kW/kg
Power density (10s)	6.3 kW/L	7.1 kW/L

Lifetime	D35	D60
Lifetime at 25 °C	50 000 cycles	50 000 cycles
Lifetime at 45 °C	12 500 cycles	12 500 cycles

Physical parameters	D35	D60
Weight	0.2 kg	0.9 kg
Volume	0.1 L	0.4 L
Diameter	35 mm	60 mm
Length	100 mm	138 mm