

StartAux 12V 8D Data Sheet

SoluThium
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NOMINAL VOLTAGE / CAPACITY / ENERGY

12.8 V / 300Ah / 3.84 kWh

TYPE & CHEMISTRY

Lithium Battery / Lithium Iron Phosphate

DIMENSIONS

9.8" W x 20.6" L x 9.2" H

BCI SIZE

8D



GENERAL BATTERY SPECIFICATIONS

Model No.	StartAux 12V 8D		
Chemistry	LiFePO ₄ (LFP)	Internal Resistance	TBD mΩ (ref.)
Nominal Voltage	12.8 V	Service Life	>2000 cycles 80% DoD
Capacity	Typical: 300Ah at 0.2C, 20°C Min.: 297Ah at 0.2 C, 20°C	Internal Terminal	M8x1.25 -10mm
Energy	3.84 kWh	Terminal Torque	88 lb-in (10 Nm)
Weight	TBD	Nominal Dimensions	W 9.8" (250mm)
BCI Size	8D		L 20.6" (522mm)
			H 9.2" (233mm)

CHARGING & DISCHARGING

Internal Warm-Up	Self-warm-up feature upon charging at sub-zero temperature		
Charging Methodology	CC-CV	CC: Charge to 14.6V	CV: Maintain 14.6V till I<0.1C
Max. Charging Current		200A	
Max. Continuous Discharge Current		200A	
Cold Cranking Current		>2000A	
Discharge Cut-Off Voltage		10A	

CONNECTIVITY & COMMUNICATIONS

Parallel Connection	Series Connection	Communication Protocol	Bluetooth
Up to 4 Units	Prohibited	CANBus 2.0A	Under development

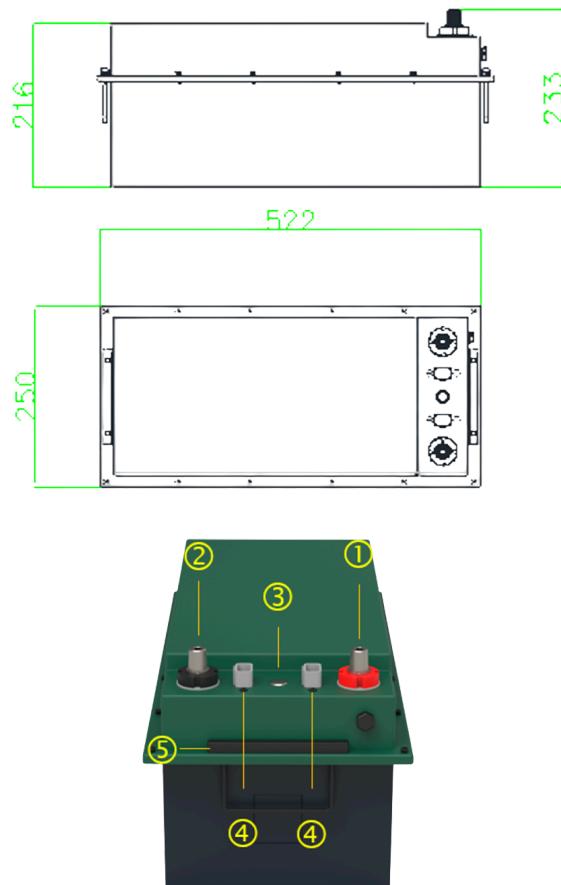
ENVIRONMENTAL CONDITIONS

Relative Humidity	<90%	Ambient Temperature Range	Charge: 0 to 65°C
Ingress Protection	IP67		Discharge: -30 to 65°C
			Storage: -20 to 35°C

CERTIFICATIONS

Shipping	Battery
Pending: UN38.3	Pending: UL2271, UL1973

DRAWINGS & APPEARANCES



- ① Positive Terminal
- ② Negative Terminal
- ③ Power Button
- ④ CANBus Terminal (5 pin)
- ⑤ Handle

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