

AST-7200 51.2V 142Ah Lithium Battery

Dynastart Elektro B.V.
www.dynastart.nl
1.2025

Advantages of AST-7200

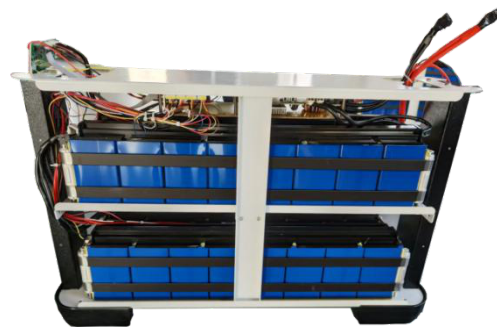
-Size & weight: AST-7200 has the size of 712mm*195mm*465mm. It weighs half of the capacity-equivalent lead acid battery.

-Roller design: Reduces ground wear and tear, and the use position can be adjusted according to the environment easily.

-Casematerial: SheetMetal Design. The product has nice appearance, stable structure, and is convenient for standardized production.

-Communication interface: RS232 communication, CAN communication, RS485 communication are supported.

-BMS protection: Each of AST-7200 has an integrated battery management system which protects the battery from extreme cases. The following chart shows the basic protection functions of the BMS.



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Electrical Specifications

Nominal Voltage	51.2V
Nominal Capacity	142Ah
Nominal Energy	7200Wh
Internal Resistance	$\leq 30\text{m}\Omega$
Self Discharge	3%/per month
Parallel connection	Support
Series connection	Not supported

Mechanical Specifications

Terminal Type	M8
Weight	63.35kg
Dimension	712*195*465mm
Cell type / Chemistry	LiFePO4
Case type	Sheet Metal Design
Function	Bluetooth+WiFi
BMS: low voltage, high voltage, over temperature, over current, short-circuit protection, etc.	

Discharge Current and Voltage Specifications

Max Discharge Current	120A (5s)
BMS Low Voltage Cut-off	40V
Short Circuit Protection	300 μ s Auto release after charge/ load removal

Charge Current and Voltage Specifications

Max Charge Current	120A (5s)
BMS Over Charge Voltage Cut-off	58.4V
Balancing Voltage	3.4V

Temperature Ranges

Discharge Temperature	-15~65°C
Charge Temperature	0~60°C
Storage Temperature Range	-15~65°C
MOS High Temperature Protection	115°C

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