

PS 5120 E / ES

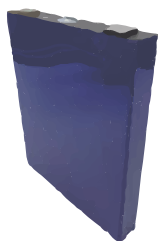


LFP-Battery

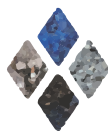
51.2V 100Ah

Solid and Compact

The PS5120E in 19" design from FSP is a reliable and maintenance-free battery storage module, made from completely pollutant-free and environmental friendly raw materials. The module has the highest energy density with minimal space requirements and a long lifespan. The storage module can be used in a variety of applications: it is suitable for our FSP hybrid inverters as well as for our single-phase online UPS systems.



Cell



Material



PS5120E



PS5120ES

Battery-Module

GENERAL FEATURES

- Highest safety: LFP (Lithium iron phosphate) cell in side.
- Longest life: over 6000 cycles @ 90% DoD
- Excellent Battery Management System
- Support most Hybrid & Off-Grid inverter
- 3U compact size for PS5120E
- Modern stackable design for PS5120ES
- Flexible capacity selections: Up to 153.6 KWh without additional communication device.
- Max 100A discharge/ 80A charging current fulfill the most applications.

TECHNICAL SPECIFICATIONS

MODEL	PS5120E	PS5120ES
ELECTRICAL DATA		
Cell Technology	Lithium Iron Phosphate (LFP)	Lithium Iron Phosphate (LFP)
Nominal Voltage [V]	51.2	51.2
Charging Voltage [V]	56	56
Discharge Cut-off Voltage [V]	44.8	44.8
Max Charging Current [A]	80	80
Max Discharging Current [A]	100	100
Nominal Capacity [Wh]	5120	5120
DOD [%]	90	90
Communication	RS485, CAN	RS485, CAN
DIMENSIONS AND WEIGHT		
Height [mm]	133 (3U)	205
Width [mm]	482	505
Depth [mm]	459	450
Weight [kg]	46	46
GENERAL DATA		
Life Cycles at 25°C 90% DoD	>6000	>6000
Discharging Temperature [°C]	-10 ... 50	-10 ... 50
Charging Temperature [°C]	0 ... 50	0 ... 50
Storage Temperature [°C]	-20 ... 60	-20 ... 60
Protection Class	IP20	IP20
Certification	EN 55032; EN 55035; UN38.3; IEC 62619	EN 55032; EN 55035; UN38.3; IEC 62619