

PS 5120 E



LFP-Battery

51.2 V 100 Ah

Solid and Compact

The PS5120E in 19" design from MES 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 hybrid inverters as well as for single-phase online UPS systems.



GENERAL FEATURES

- Highest safety: LFP (Lithium iron phosphate) cell in side.
- Longest life: over 5000 cycles @ 80% DoD
- Excellent Battery Management System
- Support most Hybrid & Off-Grid inverter
- 3U compact size for PS5210E
- 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
ELECTRICAL DATA	
Cell Technology	Lithium Iron Phosphate (LFP)
Nominal Voltage [V]	51.2
Charging Voltage [V]	57.6 V
Discharge Cut-off Voltage [V]	44.8
Max Charging Current [A]	80
Max Discharging Current[A]	100
Nominal Capacity [Wh]	5120
DOD [%]	90
Communication	RS485, CAN
DIMENSIONS AND WEIGHT	
Height [mm]	133 (3U)
Width [mm]	440
Depht [mm]	459
Weight [kg]	44
GERNERAL DATA	
Life Cycles at 25°C 80% DoD	>5000
Discharging Tempareture [°C]	-20 ... 55°C
Charging Tempareture [°C]	0 ... 50
Storage Temperature [°C]	-10 ... 45°C
Protection Class	IP20
Certification	UN38.3; IEC 62619; IEC 61000