

Energy Storage System Module
Rackmount Type

Model: PD-ESS-LFP512-105



Safe LiFePO4
Rechargeable Battery



5 Year Parts Warranty



5.376 kWh Capacity

6000 Cycles

95~105A Continuous
Output Current (Auto
Negotiation with
Inverter)

LCD Display

Compatible with a
Wide Range of
Inverters

Low Self-Discharge

Robust Protection

High Efficiency
Charging

12V 300mA
Auxiliary Supply

Supports up to 16
ESS Modules in
Parallel

52A Continuous
Charge Current



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Battery Type	16s – LiFePO4
Weight	56kg
Dimensions	540 x 445 x 220 (mm)
Nominal Voltage	52.8V
Nominal Capacity	105Ah
Nominal Energy	5376Wh
Charging Voltage	56V
Charging Current	52A (Recommended)
Discharge End Voltage	42V
Discharge Current	95~105A Continuous
Internal Resistance	11.8mΩ (Total)

Operation Temperature	Charging: -10°C ~65°C			
	Discharging: -35°C~65°C			
Operation Humidity	<80% Non-Condensing			
Max. Parallel in a Set	16			
Charge/Discharge Cycle Design Life: (52A Charge / 52A Discharge Test)	DOD	25°C	45°C	0°C
	20%	8000	6000	6000
	50%	6000	4000	4000
	80%	5000	3000	3000
	100%	4000	2000	2000