



HYNER TECHNOLOGIES

# Residential Solutions

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## ESS-204.8/314-DC-A

The ESS-204.8/314-DC-A is a compact LiFePO<sub>4</sub> residential energy storage system offering safe, reliable power with automotive-grade BMS protection. Its modular design expands from 64 kWh to 112 kWh, and delivers fast charging with over 11,000 cycles for long-lasting, cost-efficient home energy security.



## Technical Specification

No.	Item	General Parameter	Remark
1	Model	ESS-204.8/314-DC-A	-
2	Module Voltage/Capacity	51.2V/314Ah	-
3	Module stack quantity	4 to 7	7 battery modules stacked together
4	Energy Range	64.3kWh ~ 112.53 kWh	-
5	Operating voltage	172.8 Vdc ~ 408.8 V	-
6	Standard Current	157 A	Charging
7	Max Current	200A	Charge/Discharge
8	Cooling method	Natural Cooling	-
9	Cell cycle life	≥ 11000 cycles @ 25 °C ± 2 °C, 0.5P, 70% SOH	-
10	Charge temp.	0 °C-50°C	-
11	Discharge Temp.	-15°C -50°C	-
12	Storage Temp.	-20°C-35°C	-
13	IP Rating	IP20	-
14	Altitude	≤4000 m (<2000m m derating)	-
15	Communication Interface	“RJ45 (RS485/CAN) USB(RS485)”	-

\*This data sheet may change without notice at the sole discretion of the manufacturer.