

ATNOM RESIDENTIAL ESS



SCALABLE

From 12 to 90 kWh



PERFECT COMPATIBILITY

Compatible with major inverters brands



SAFE & RELIABLE

LFP + Fireproofing technology

ELECTRICAL SPECIFICATION

	ATM-ESS12LV	ATM-ESS14LV	ATM-ESS15LV
Nominal Voltage	44.8 Vdc	51.2 Vdc	51.2 Vdc
Nominal Capacity	280 Ah	280 Ah	306 Ah
Battery Energy ¹	12.54 kWh	14.34 kWh	15.67 kWh
Maximum Voltage	50.4 Vdc	57.6 V	57.6 V
Discharge Voltage	39.2 Vdc	44.8 V	44.8 V
Nominal Charge/Discharge Current (recommended for cycle life)	140 A	140 A	150 A
Nominal Charge/Discharge Power (recommended for cycle life)	6 kW	7 kW	7.5 kW
Max Charge / Discharge Current	280 A	280 A	306 A
Max Charge / Discharge Power	12 kW	14 kW	15 kW
Short Circuit Current	450 A	450 A	450 A

COMMUNICATION

Display	Status LED indicator
Communication	RS485, CAN

GENERAL SPECIFICATIONS

Dimensions (W×D×H mm)	880×290×780 mm
Weight (Kg)	150 160 160
Installation	Floor stand or Wall mounted
Working Temperature ²	-20°C ~ 60°C
Storage Temperature	≤ 25°C
Operating humidity	≤ 95%
Max Operating Altitude	≤ 2000m
IP Rating	IP54
Cell Technology	LiFePO ₄ (Lithium Iron Phosphate)
Cycle life ³	8.000 Cycles 8.000 Cycles 10.000 Cycles
Scalability	Max 6 batteries in parallel
Certification	PACK : CE, UN38.3, SR EN50549-1:2019 ongoing CELL : UN38.3, IEC62619
Safety	Fire suppression system, Integrated Fuse

¹ Test conditions : 80% depth of discharge (DoD), 0.2C rate charge & discharge @25°C

² Wall mounting support not included, sold separately.

³ Charge/discharge derating occurs when the operating temperature is between 0°C to 5°C or 45°C to 55°C. Charging not possible below 0°C !

⁴ At 80% DoD / 25°C / 0.5C, 60% EOL