

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 (Usable capacity)	12.54 (11) kWh	14.34 (14) kWh	15.67 (15) kWh
Maximum Voltage	50.4 Vdc	57.6 V	57.6 V
Discharge Voltage	39.2 Vdc	40.0 V	40.0 V
Nominal Charge/Discharge Current (recommended for cycle life)	125 A	125 A	125 A
Nominal Charge/Discharge Power (recommended for cycle life)	6 kW	6 kW	6 kW
Max Charge / Discharge Current	125 A	125 A	125 A
Max Charge / Discharge Power	6 kW	6 kW	6 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	LiFePO4 (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. Usable capacity in parentheses.

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