

# 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 <sup>1</sup>	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 )	650×200×900mm		
Weight (Kg)	95kg		
Installation	Floor stand or Wall mounted		
Working Temperature <sup>2</sup>	-20°C ~ 60°C		
Storage Temperature	≤ 25°C		
Operating humidity	≤ 95%RH		
Max Operating Altitude	≤ 2000m		
IP Rating	IP54		
Cell Technology	LiFePO4 (Lithium Iron Phosphate)		
Cycle life <sup>3</sup>	8.000 Cycles	8.000 Cycles	10.000 Cycles
Scalability	Max 6 batteries in parallel		
Certification	PACK: CE, UN38.3 ongoing CELL: UN38.3, IEC62619		
Safety	Fire suppression system, Integrated Fuse Variable charge/discharge power based on OAT		

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

2. Charge/discharge derating occurs when the operating temperature from -0°C to 5°C. & 45 °C - 55 °C

3. At 80% DOD / 25°C / 0.5C, 60% EOL.