

ATNOM MEGA ESS

3.4 MWh liquid cooled battery pack

ATNOM



PRACTICAL

Stationary energy storage system



EXTENSIVE CAPACITY

3.4 MWh



SAFE & RELIABLE

Liquid cooled & Fireproof

PRODUCT SPECIFICATIONS

ATM-ESS-3400-1250-LC

Rated capacity	3400 kWh
Nominal voltage	1228 V
Voltage range (min-max)	1075 - 1382V
Recommended SOC	10% - 90%
Charge/Discharge power (Rated)	1700 kW
Charge/Discharge power (Maximum)	1700 kW
Operating temperature (Charge)	-10 ~ 55°C
Operating temperature (Discharge)	-20 ~ 55°C
Cycle Life	≥ 8000
Self-discharge rate/month	<3% / month
IP Level	IP55
Thermal management	Liquid cooling/heating
Auxiliary power supply (Voltage)	AC 400V
Auxiliary power supply	12 kW
Communication	CAN, RS485, Ethernet
Recommended operating temperature	25 ± 3°C
Dimension (±5mm)	6060 x 2450 x 2900
Weight (±2%)	34.500 kg
Storage temperature (when not connected)	0 ~ 35°C
Storage humidity	<75% RH
Application altitude	<4000m

ESS MAIN COMPONENTS	QUANTITY	REMARK
Battery container	1	6060 x 2450 x 2900 mm
Battery rack	10	340 kWh / unit
DC combiner box	1	-
Liquid cooling system	1	Including heat pump
Fire suppression system	1	Aerosol

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.