aesys

Luminary 3790.

1C LIQUID-COOLED ENERGY STORAGE SYSTEM

KEY FEATURES

More than 10,000 cycles

- High-performance battery cells
- Advanced thermal management system
- High-capacity cooling system
- Precise and reliable Battery Management System (BMS)

High system availability – 99.1%

- Independent control of each battery string
- Minimal impact on system operation in the event of a single string failure
- Easy maintenance and servicing

High energy density – 257 kWh/m²

- Compact design enables high energy density and more efficient use of available space.

More than 10 configuration options

- Flexible adjustment of total capacity
- Multiple PCS options
- Supports AC voltage levels from 400 V to 110 kV



Model	QA-LYHV-P3790E3790					
DC						
Cell	285 Ah / 3,2 V					
Type	LFP					
C-rate	≤ 1C					
Configuration	416S10P					
Rate voltage	1331,2 V					
Rate volt. range	1164,8–1497,6 V					
Rated Capacity	5RACKs	6RACKs	7RACKs	8RACKs	9RACKs	10RACKs
	1895 kWh	2274 kWh	2653 kWh	3032 kWh	3411 kWh	3790 kWh

GENERAL	
Dimensions (L*W*H)	6058 × 2438 × 2896 mm
NETO Weight	≤ 37 t
Cooling	Liquid Cooling, 120 kW
IP Level	IP55
Anti-Corrosion	C3, optional C4/C5
Working Temperature	-25 °C - +55 °C
Relative Humidity	0–95%, non condensation
Operating Altitude(m)	4000m (>3000m derating)
Fire Supression System	Pressure relief,Aerosol, Water fire suppression
Communication interfaces	RS485 / Ethernet
CERTIFICATIONS	IEC62619, IEC63056, IEC62477, IEC/EN61000, IEC62933, UN38.3, UL9540A