

NEW

OPTIM US

L520-OMNI

M7-250kW/522kWh



522~2084kWh



125~500/250~1MW



0.25/0.5C



400Vac

- All in One Solution
- Superior Safety
- Flexible Configuration
- High Performance



Ancillary
Service



Electricity
Arbitrage



Demand
Response



Backup

L520-OMNI

L520-OMNI-2H

L520-OMNI-4H

General Data		
Dimension(W*H*D mm)	1900*1350*2480mm	
Weight(Tons)	<5.5T	
Round Trip Efficiency	90%	
Working Temperature Range (°C)	-25°C ~ 50°C (Derating >45°C)	
Humidity	0%-95%RH	
Protection Class	IP55	
Anti-Corrosion	C3 (C5 Optional)	
Altitude(m)	≤3000m (Derating over 2000m)	
Cooling Type	Liquid Cooling	
Fire Extinguishing	Aerosol	
Certification*	IEC62619/IEC62040-1/IEC63056/IEC62933-5-2/CE/VDE2510-50/UL1973/UL9540A/PGS 37-1 CE EMC/CE LVD/EN 50549-1: 2019/EN 50549-2: 2019/IEC 61000-6-2/IEC 62477-1	
Battery Data		
Battery Type	LFP 314Ah	
C Rate	0.5C	0.25C
Nominal Capacity (kWh)	522kWh	
Nominal Voltage (V)	832V	
DC Voltage Range(V)	728V-936V	
AC Side Parameters (On-grid)		
Rated AC Power (KW)	250kW	125kW
Rated AC Output Voltage(V)	400V, 3P4W	
Grid Voltage Range	-10%~15%	
Rated AC Output Frequency (Hz)	50Hz	
Power Factor Range	±1	
AC Side Parameters (Off-grid)		
Rated AC Power (KW)	250kW	125kW
Three Phase Unbalane	100%	
Communication		
Communication Portal	CAN/RS485/Ethernet/4G	
Communication Type	Modbus-TCP/RTU	

*Partial application in progress