

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)	5.1T	4.9T	
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