

OPTIM US L520-OMNI-M7

M7-250KW/522KWH



522kWh



125kW/250kW



0.25/0.5C



All in One Solution



Superior Safety



Flexible Configuration



High Performance



**Wide Temp
Range**



**Ancillary
Service**



**Electricity
Arbitrage**



**Demand
Response**



Back up

L520-OMNI-M7

Model	L520-OMNI-2H	L520-OMNI-4H
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 Unbalance	100%	
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 (Degration>45°C)	
Humidity	0%-95%RH	
Protection Class	IP54	
Anti-Corrosion	C3 (C5 Optional)	
Altitude (m)	≤3000m (Degration over 2000m)	
Cooling Type	Battery Liquid Cooling, PCS Fan Cooling	
Fire Extinguishing	Aerosol	
Communication		
Communication Portal	CAN/RS485/Ethernet/4G	
Communication Type	MOUDBUS-TCP/RTU	
Certification	IEC61000, IEC62477, IEC62619, IEC62109, EN50549, VDE4110, G99	



Basic Parameters	HM7A200L
Energy (kWh)	52.25
Norminal Voltage (V)	166.4
Battery Capacity (Ah)	314
Dimension (W*D*H, mm)	1145*790*245
Weight (kg)	345