

PYOCEAN

L6400-BAT

L6250-BAT

M9-20ft-6.4MWh (0.25C)

M9-20ft-6.26MWh (0.5C)



4-Unit Layout for Minimized Footprint

Lightweight 45T design achieves ultra-high energy density. Supports 4-unit back-to-back layout, significantly reducing the total site footprint.



Flexible 2h / 4h Options

Compatible with both 0.5C and 0.25C system needs, flexibly adapting to diverse project needs.



Pre-Assembled & Easy Deployment

Internal wiring is completed at the factory, eliminating in-box wiring onsite. Bottom cable routing and lower electrical sections minimize foundation requirements and simplify O&M.



Comprehensive Safety & Early Warning

1:1 NTC Cell Monitoring, dual current sampling, and DC arc detection. Senses thermal runaway risks 24/7 to prevent single-point failures. Built for harsh conditions with Zone 8 seismic resistance and <70dBA low noise.



0.25C



6400kWh



1600kW



1164~1497Vdc



0.5C



6261kWh



3130kW



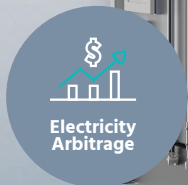
1164~1497Vdc



Peak Shaving



Energy Shifting



Electricity Arbitrage



L6400-BAT / L6250-BAT

General Data	M9-20ft-6.26MWh	M9-20ft-6.4MWh
Dimensions (mm)	6058*2438*2896	
Weight	45	
Operating Temperature Range (°C)	-25~50	
protection class	IP55	
Altitude	≤ 4000	
Humidity	0-95% (Non-condensing)	
Fire extinguishing	Aerosol+Water-based interface	
Cooling System	Liquid Cooling	
Cooling system consumption (kW, Cooling/Heating)	80kw/24kW	35kw/24kW
Aux Power Consumption (kW, continuous/peak, incl HVAC)	39.46	24.06
Anti-corrosion	C3H (C5 Optional)	
Certification*	IEC 62619/IEC 63056/CE/VDE 2510-50/IEC 62040-1/ISO 13849-1/UL 9540A IEC 62933-5-2/PGS 37-1/NFPA 69	
Battery Data		
System Capacity (kWh)	6261.9	6400.4
Depth of Discharge	97%	98%
Cycle Life	> 8000	
DC Voltage Range (Vdc)	1164~1497	
Operation Mode		
Communication Type	RS485/CAN/Ethernet	
Operation Logic	Peak Shaving/Energy Shifting/Electricity Arbitrage	
Recommended SKID Configuration		
DC Connection		
Full Power DC Voltage Range (V)	1040 ~ 1500	
Number of DC Inputs	Max. 4	
AC Connection (Grid)		
AC Output Power @ 40°C (kVA)	7112	
AC Output Power @ 45°C (kVA)	6400	
Grid Voltage Range Vrms (kV)	31.5	
LV voltage Range Vrms (V)	690 ±10%	
Grid Frequency / Range (Hz)	60 ± 5	
Current Harmonic Distortion (THDi)	<3% (at nominal power)	
Medium Voltage Equipment		
Transformer Vector Group	Dy11y11	
Transformer Cooling type	ONAN	
Transformer loss and efficiency	>99.58%	
Rated Continuous Current	630	
Insulation Medium	SF6	
RMU short circuit rating	20kA / 3s	
General		
Dimensions (W*D*H mm)	10000*2100*2680	
Weight (t)	25.8	
Operating Temperature (°C)	-20 ~ 50, de-rating >40	
Ingress Protection	IP55	
Communication	Modbus TCP	
Compliance		
Safety	IEC 62477-1	
EMC	IEC 61000-6-2/IEC 61000-6-4	
Transformer	EN 50588/EN 60076	
RMU	IEC 62271-200/IEC 62271-100	
Grid Connection	EN 50549-2/PPDS/C10/26/C10/11/VDE-AR-N 4110/4120/4130/G99/EN50549-2 deviation/PN-EN 50549-2/EN50549-2/10	

*Degradation at temperatures below 10°C or above 45°C

*Partial application in progress

Compatible PCS/SKID List

Power Electronics/SMA/WSTEC/Hopewind

*In Progress