

# Watt.io

## Energy Storage Solutions



w125 / w250



### Specifically designed for your business needs

- // Configurable: Solution built using building blocks of 125kW and 250kW Power and 250kWh energy storage
- // Wide range of application from 50kW to 5MW
- // Compact footprint (15' x 5' for 500kWh stored energy)
- // High cycle life of 8000 cycles to maximize your ROI when deployed daily
- // Black start capability for power backup and microgrid
- // Uses the safest Lithium Iron Phosphate technology
- // Complies with the most strict building codes and fire safety requirements (UL 9540 & UL9540A)
- // Attractive financing options available

	Model		
System Information	w125(251)	w125(502)	w250(502)
Nominal AC Power	125kW	125kW	250kW
Nameplate Capacity	251kWh	502kW	502kW
Battery Information			
Battery Chemistry	LFP		
Cell Make / Type	CATL /280Ah		
Configuration	280S1P	280S2P	
Nominal Voltage	896V		
Voltage Range	784 ~ 1,000V		
Inverter Information			
Max. AC Power	1 x 125kW		2 x 125kW
Nominal Grid / Islanding Voltage	480V		
Grid Voltage Range	422.4V~528V		
Power Factor	0.8~1		
Nominal Grid Frequency	60Hz		
Isolation	Transformerless		
Working Conditions			
Degree of Protection	NEMA 3R / IP54		
Noise Emission	≤ 72dB @1m		
Operating Temperature Range	-22°F ~ 113°F / -30°C ~ 45°C		
Relative Humidity	0~95% (No condensing)		
Max. Working Altitude	6,500' / 2,000m		
System Information			
Dimensions (W*H*D)	14.9'x8.2'x5.2' / 4,550x2,500x1,600mm		
Total Weight (without batteries)	10,600lbs & (6,000lbs) 4.8t & 2.7t (est.)	14,800lbs & (6,000lbs) 6.7t & 2.7t (est.)	15,500lbs & (6,600lbs) 7t & 3t (est.)
Cooling Method of Battery Chamber	HVAC		
Cooling Method of PCS Chamber	Forced air cooling with replaceable fan module		
Fire Suppression System	FM-200		
Communication Protocol	Modbus TCP/IP		
Certificate & Compliance	UL1741, UL 1741SA, IEEE1547, UL1973, UL9540A, UL9540, CBC		