



Energy Pak **High Power Lithium Batteries**



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EnergyPak Battery Specifications

Data Sheet for Energy Pak Lithium Batteries

MODEL NAME	Energy Pak 3.5	Energy Pak 7		Energy Pak 14		NOTE
MODEL NUMBER	EP 12280	EP 12560	EP 24280	EP 24560	EP 48280	
BATTERY TYPE	LiFePO4					Lithium Iron Phosphate
NORMINAL VOLTAGE (V)	12.8	12.8	25.6	25.6	51.2	
RATED CAPACITY (AH)	280	560	280	560	280	Rate at 25°C, 140A of current
RATED CAPACITY (KWH)	3.58	7.16		14.32		
OPERATING VOLTAGE (V)	12.0 - 13.8	12.0 - 13.8	24.0 - 27.6	24.0 - 27.6	48.0 - 55.2	
MAX VOLTAGE LIMIT (V)	14.4	14.4	28.8	28.8	57.6	
MIN VOLTAGE LIMIT (V)	11.4	11.4	22.8	22.8	45.6	
STANDARD CHARGE CURRENT (A)	140					Capacity is rated at this current
MAX CHARGE CURRENT (A)	200					
STANDARD DISCHARGE CURRENT (A)	140					Capacity is rated at this current
MAX CONT. DISCHARGE CURRENT (A)	250					
MAX SURGE DISCHARGE CURRENT (A)	500					500A for max of 2 sec
WORKING TEMP. (CHARGE) (°C)	0 - 55					When temperature is less than 5°C, the battery will be heated up to above 8°C
WORKING TEMP. (DISCHARGE) (°C)	-30 - 55					
BATTERY LIFE (CHARGING CYCLES)	4000					80% capacity at the end of 4000 cycles
COMMUNICATION	RS485, CAN, Bluetooth					RS485 baud 9600, CAN baud 250k
BATTERY WEIGHT (KG)	33	60		115		
BATTERY DIMENSIONS (LxWxH) (MM)	500x210x270	500 x 380 x 330		420 x 400x 600		