



ENERAMP EA SERIES BATTERIES		
PARAMETER		EA170
Nominal Capacity		170 Ah
Nominal Voltage		3.2v
Internal Resistance		≤0.3mΩ
Cycle Life		80% Capacity after 5000 Cycles at 1C Rate
Round Trip Efficiency		98%
Charging	Allowable Maximum Charging Current	2C
		340 Amps
	Optimal Max Charge Current ¹	C/2
		85 Amps
	Charge Voltage Limit	3.65v
	Recommended Cyclic Charge Voltage	3.45v
	Charging Temperature Limits	0°C ~ 55°C
32°F ~ 131°F		
Recommended Charge Temperature Range	59°F ~ 95°F	
	15°C ~ 35°C	
Discharging	Maximum Discharging Current (30 Seconds) ²	2C
		340 Amps
	Continuous Maximum Discharging Current	1C
		170 Amps
	Optimal Maximum Discharge Rate ²	C/2
		85 Amps
	Discharge Voltage Limit ³	2.8v
Recommended Cyclic Discharge Voltage	3.0v	
Discharging Temperature Limits	-30°C ~ 55°C	
	-22°F ~ 131°F	
Recommended Discharge Temperature Range	59°F ~ 95°F	
	15°C ~ 35°C	

¹ Optimal Charge & Discharge currents should be followed as a general guideline for maximum cell life.

² Discharge voltage limits vary based on temperature. For deep cold operation, refer to Owner & Operators Manual.



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PARAMETER		EA170	
Storage	State of Charge		20% - 40%
			3.275v – 3.304v
	Ambient Temperature	Short Term (1 month)	-40°F ~ 113°F
			-40°C ~ 45°C
		Long Term (Up to 6 months) ⁵	-4°F ~ 95°F
		-20°C ~ 35°C	
Humidity		≤65%	
Physical Characteristics	Weight		8.6 Lbs
			3.9 Kg
	Dimensions	Length	~6.811 in.
			173mm
		Width	~2.125 in.
			54mm
	Height (Including Terminals)		~8.858 in.
			225mm
Terminals	Thread & Pitch	M6 x 1 x 11mm	
	Tightening Torque	4.6 N·m	
		39.6 in.-lbf	