

ENER AFRICA

Data Sheet Lithium Iron Phosphate Battery (LiFePO4)



MODEL	EGA4850
Nominal Voltage	48
Capacity (@ 0.5C/Ah)	50
Output Energy (@0.5C/Wh)	2400
PHYSICAL	
Width (mm)	442
Height (mm)	3U
Depth (mm)	385
Weight (kg)	28
ELECTRICAL PARAMETERS	
Operating Voltage	43.2 - 57.6
Charging Voltage (Vdc)	53.2 - 54
Floating Charging Voltage (Vdc)	50.5 - 52
Maximum Output Power (W)	2400
Standard Charging Time (H)	2
ENVIRONMENT	
Operating Temperature	Charging: 0 ~ 45°C
	Discharging: -20 ~ 60°C
Cycle Life (@ 25°C, 100% DoD)	>2000 Cycles
Conventional Transport	MSDS, UN38.3
Storage Temperature and Duration	Less than 12 months:-20 ~ 25°C
Electromagnetic Compatibility Standard	GB/T 17626.2-2006
	GB/T 17626.5-2008
Safety Standard	IEC62133