

**E24280-ESS LIFEPO4 BATTERY
DATA SHEET(25.6V/280Ah)**

VICTRON protocol compatible

**Communication protocol:
CANBUS, 485**
BATTERY TECH DATA

Stored energy	7168Wh	
Rated capacity	280Ah	
Nominal voltage	25.6V	
Volt range	20V-28.8V	
Charge time	Standard	5.5h
	Rapid	1.5h
Charge method	Standard	56A/28V
	CC-CV	Rapid 200A/28V
Max discharge current	Peak(<1s)	280A
	Continuous	200A
Cycle life	50%	>7000cycles
	0.5C,23°C/73°F	100%
Operating temperature range	Charge	0°C~60°C / 32°F~140°F
	Discharge	-25°C~60°C / -13°F~140°F
	Storage(1month)	-20°C~45°C / -4°F~113°F
	Storage(6month)	-10°C~35°C / 14°F~95°F
Water proof	IP66	
Approx weight	70kg /155lbs	

Max 15 batteries in parallel

Series & parallel connection. Series connection is not available. Batteries must be the same volt before parallel connection.

Length	Width	Height
577mm	370mm	235mm
22.8in	14.6in	9.3in

BMS PROTECTION

Balance	Current	40mA
	Activate volt	3.35V/ cell
		Cell Voltage difference > 40mV
High temperature protection(MOSFET)	Protection	105°C / 221°F
	Release	85°C / 185°F
High temperature protection (cell)	Protection	60°C / 140°F (charge) 65°C / 149°F (discharge)
	Release	50°C / 122°F (charge) 55°C / 131°F (discharge)
Low temperature protection (cell)	Protection	0°C / 32°F (charge) -25°C / -13°F (discharge)
	Release	5°C / 41°F (charge) -15°C / 5°F (discharge)
Over-charge	Protection	30V (3.75V/cell)
	Release	27V (3.38V/cell)
Over-discharge	Protection	24V (3V/cell)
	Release	25.2V (3.15V/cell)
Self-consumption	Working	(≤50mA)
	Hibernate	(≤600uA)
Short-circuit	Protection	800A(128uS)
	Release	Remove load for the short circuit protection to release

APPLICATION SCENARIOS


BOAT



HOME



TRAILER



MOTORHOME


 Optional for
Lilead Display