BEXIE ENERGY

Europe based aftersale
Company HQ in Spain

BEXIE SERIES
ABS shell type

Lithium iron phosphate battery module

Product Introduction

The product adopts ABS shell design, uses high-quality lithium iron phosphate battery cells, and is equipped with an intelligent BMS battery management system. It can quickly replace lead-acid/gel batteries without changing the original installation structure. It has the characteristics of strong durability, long cycle life, and wide operating temperature range.

Bluetooth configuration,
monitoring battery status

BMS

Built-in BMS board with comprehensive protection logic

LCD

Optional display function

Series & Parallel

Supports series or parallel connection

Ultra-low self-discharge rate,
no need for frequent floating charge

+34 985 194 232

www.bexieenergy.com

Calle Peña Santa 68, Polígono Industria
Silvota,33192,Llanera, Asturias

BEXIE GROUP designs, manufactures and delivers high-performance solar electric technology worldwide.Our high-efficiency solar cells enable us to produce different types of solar panels with highest efficiency.

BE SERIES ABS shell type

Model: WKC		BE-1280	BE-1920	BE-2560	BE-3584	BE-4020
Cell type		Lithium Iron Phosphate				
Nominal voltage (V)		12.8				
Nominal capacity (Ah)		100	150	200	280	314
Nominal energy (Wh)		1280	1920	2560	3584	4020
Operating voltage range (V)		10V~14.6V				
Charging cut-off voltage (V)		14.6				
Discharging cut-off voltage (V)		10				
Standard charging current (A)		20	30	40	60	
Standard discharge current (A)		50	75	100	100	
Maximum continuous charging current (A)		50	75	100	100	
Maximum continuous discharge current (A)		100	100	200	200	
Cycle life		4000 times (50A charging, 0.5C discharging, 90% DOD, 25±5℃)			5000 times (50A charging, 100A discharging, 90% DOD, 25±5℃)	
Dimensions	Length (mm)	330	485	520	520	
	Width (mm)	171	154	240	268	
	Height (mm)	215	240	220	220	
Weight (kg)		≈11Kg	≈18Kg	≈20Kg	≈25Kg	≈26Kg
Battery shell		ABS Case				
Series and parallel use		Supports up to 4 series connections				
Terminals		M8				
Allowable humidity range (%RH)		15%~85%				
Storage ambient temperature (℃)		-20～45 (recommended 10～35)				
Charging ambient temperature (℃)		0～50 (recommended 10～35)				
Discharging ambient temperature (℃)		-10～60 (recommended 10～35)				
Altitude (m)		<3000				
Cooling method		Natural heat dissipation				
Operating conditions		Indoor				
Protection method		Overvoltage, undervoltage, pressure difference, overtemperature, capacity, overcurrent, short circuit, etc.				
Certificate		UN38.3, MSDS, CE				

+34 985 194 232
www.bexieenergy.com
Calle Peña Santa 68, Polígono Industria Silvota,33192,Llanera, Asturias