

LV Stack Battery

NK-ESS Series



Long Lifespan

15 years of design service life



Modular

Modular design is simple and fast



Intelligentize

Efficient operation and maintenance
Automatic and intelligent management



Multifunction

Support R3485/R3232/can communication

Model Parameters

Model	NK-ESS-3P-51.2
Battery	
Rated Discharge Cut-off Voltage	44.8V
Normal Voltage(VDC)	51.2V
Capacity(Ah)	100/Pack
Energy(wh)	5120/Pack
Short Circuit Current	Approx.4000A
Overcharge Protection(VDC)	58.4V
Battery type	LFP
Balancing Voltage	>54.4V
IP Grade	IP21
Self Discharge	<=2%/Month
Cycle Life	4000 times(80%DOD)
Rated Charge Current	50A
Max. Charge Current	100A
Rated Charge Voltage	57.6V
Rated DisCharge Current	100A
Dimensions	620*420*394 mm /Pack
Weight	45kg/Pack
Discharge Temp	-20℃ to 60℃
Storage Temp	-5℃ to 35℃
Charge Temp	0℃ to 55℃
Compliance	
Certifications	CE/UN38.3/IEC62619
Transport Appraisal	UN3480,CLASS 9

Product Introduction

The NK-ESS Series lithium battery is tailor-made for larger residential applications. Our products advanced LiFePO4 technologies and modular design, along with parallel support. Its high waterproof level and efficient heat sink make it a versatile solution to meet various capacity requirements.

SCENE



Car charging



Solar energy system



Household electricity



Factory electricity