

Outdoor Cabinet Energy Storage System

SmartBase NKB-30K/50K




HIGHLY
INTEGRATION


THREE
LEVEL BMS


WIDE VOLTAGE
INPUT RANGE


MODULAR
DESIGN


MULTI-SCENARIO
APPLICATIONS

Specification

Model	NKB768-107KWh-F	NKB 576-80KWh-F	NKB384-54KWh-F
Schematic Diagram			
Module Parameters	NK96140		
Battery Type	LiFePO ₄		
Nominal Battery Energy	13.44KWh		
Nominal Capacity	140Ah		
Weight	100kg		
Dimension(W*D*H)	440*210*950mm		
System Parameters			
Battery Module Type	VE96140		
Battery Module Quantity	8 modules	6 modules	4 modules
Nominal Battery Energy	107.52KWh	80.64KWh	53.76KWh
Nominal Capacity	140Ah	140Ah	140Ah
Nominal Voltage	768V	576V	384V
Operating Voltage Range	600-840V	450-630V	300-420V
Nominal Output Power	50KW	50KW	30KW
Recommend Charging Current	140A		
Recommend Discharging Current	140A		
Charging Temp. Range	0-55°C		
Discharging Temp. Range	-30-55°C		
Communication	CAN, LAN, RS485, 4G		
Cycle Life	6000 Cycles@80%DOD,25°C		
IP	IP54		
Expansion	Up to 6 cabinets in parallel		
Compatible Inverters	Deye/Megarevo/Solis etc.		
Design Certification	UN38.3/CE-EMC/IEC62619/IEC 62477/IEC 63056		
Dimension(W*D*H)	700*1450*2300mm		
Weight	Approx. 1300Kg	Approx. 1100Kg	Approx. 900Kg

*This document is for reference only, all in kind shall prevail.