

Container Energy Storage System

All-in-one ESS SmartBase 200K-430KWH




HIGHLY
INTEGRATION


THREE
LEVEL BMS


WIDE VOLTAGE
INPUT RANGE


MODULAR
DESIGN


MULTI-SCENARIO
APPLICATIONS

Specification / 10FT Container

Model	SmartBase 200K-430KWH
Schematic diagram	
Specification	200KW/430kWh
Battery Side	
Cell Type	LFP
Cell Capacity	280Ah
Module Configuration	1P20S
Module Capacity	17.9kWh
Battery Cluster String	1P240S*2
No. of Modules	24
Voltage Range	600V~876Vdc
Total Capacity	430kWh
Max. Charge & Discharge Rate	0.5C/0.5C
Max. Charge & Discharge Current	200A/Cluster
PCS Parameter(On-Grid)	
Nominal Power	200kW
Nominal Voltage	AC400V
Nominal Frequency	50Hz/60Hz
Max. Charge and Discharge Power	220kW/10min
Nominal Current	300A
Power Factor	>0.99(Rated Power) / ±1 lagging / leading
THDi	<3%(Nominal Power)
Transformer	Optional
PCS Parameter(Off-Grid)	
Rated Power	200kW
Rated Voltage	AC400V
Rated Frequency	50Hz/60Hz
Output Voltage Accuracy	1%
THDu	<1%(Linear load)
System Parameter	
Cooling Mode	Air conditioning
Noise	<68dB(1m)
IP	IP54
Altitude	3000m (>2000m Derating)
Temperature Range	-30°C to 50°C
Humidity Range	0~95%RH
Output overload capacity	110% load@ 10min; 120% load@1min
Communication Protocol	Modbus RTU / Modbus TCP
Certification	IEC62933,IEC62619,UL1642
Dimension(W*D*H)(approx.)	2991*2438*2896mm
Total Weight (approx.)	13t