

Technical Parameters

Battery Storage Parameters

DESCRIPTION

100 kW / 233 kWh

Nominal AC Power of the Inverter	50 kW	Network Voltage Range	360 ± 440 V
Number of Inverters	2 pcs	Frequency of the Network Voltage	50 Hz
Power Factor	-1~+1	Installed Battery Capacity	233 kWh
AC Protection of the Supply Cable	3f. 250 A	Depth of Discharge (DoD)	90%

INVERTER

Type of the Inverter	WH-BEC-50AC		
AC Side		DC Side	
Nominal AC Power of the Inverter	50 kW	Maximum DC Current	110 A
Power Factor	-1~+1	DC Voltage Range	500 ± 950 V
Nominal AC Current	160 A	General Parameters of the Inverter	
Nominal Network Voltage	400 V	Cooling of the Inverter	Ventilation Control
Network Voltage Range	360 ± 440 V	Operating Temperature	-23 ± + 45°C
Frequency of the Network Voltage	50 Hz	Dimensions (W x D x H)	483 x 600 x 150 mm
		Weight	35 kg
THD Distortion - Intermodulation	< 3 %	Protection Rating	IP21

BATTERY RACK

ADDITIONAL PARAMETERS

Type of Battery Rack	R552280-P	Dimensions (W x D x H)	1400 x 1350 x 2100 mm
Type of Use of Battery Cells	CATL 280 Ah		
Battery Cell Technologies	LiFePO4	Expected Lifetime	Up to 15 years
Type of Cooling	cool with liquid	Expected Number of Cycles	
Wiring of Battery Modules in the Rack	5 in series	at DoD 90%, SoH 70%, 18°C	6000

EMAN24 - ENERGY MANAGEMENT SYSTEM

EXPERIENCE

- long-term experience in data collection and processing in business management, as well as in purchasing and selling electricity and gas.

COMPLEXITY

- the system is designed from data collection, either through our implementations or by deploying SCADA systems for monitoring (charts and alerts for managers in the form of balances and reporting)

EFFICIENCY

- the resources and their deployment with regard to costs is a priority of the system

NOT ONLY SW IS ALIVE

- our experience with the implementation and operation of battery storage systems gives us an insight into what is necessary in real life



CERTIFICATES AND STANDARDS

