

XME-E Series – Product Specifications



Model	FlexCube-EL-500kW/784KWh	FlexCube-EL-375kW/784KWh	FlexCube-EL-250kW/784kWh	FlexCube-EL-500kW/522KWh	FlexCube-EL-375kW/522KWh	FlexCube-EL-250kW/522kWh	FlexCube-EL-250kW/261kWh
System Capacity	783.74kWh	783.74kWh	783.74kWh	522.496kWh	522.496kWh	522.496kWh	261.248kWh

Battery Parameters

Cell Type	LiFePO ₄	LiFePO ₄	LiFePO ₄	LiFePO ₄	LiFePO ₄	LiFePO ₄	LiFePO ₄
Cell Specification	3.2V 314Ah	3.2V 314Ah	3.2V 314Ah	3.2V 314Ah	3.2V 314Ah	3.2V 314Ah	3.2V 314Ah
Discharge Rate (C-rate)	1C	1C	1C	1C	1C	1C	1C
Module Configuration	1P52S	1P52S	1P52S	1P52S	1P52S	1P52S	1P52S
Cluster Configuration	1P260S	1P260S	1P260S	1P260S	1P260S	1P260S	1P260S
Stack Configuration	3P260S	3P260S	3P260S	2P260S	2P260S	2P260S	1P260S
Module Protection Rating	IP67	IP67	IP67	IP67	IP67	IP67	IP67

AC Charging and Discharging

Rated Output Power	500kW	375kW	250kW	500kW	375kW	250kW	250kW
Rated Output Voltage	AC400V,3P+N+PE	AC400V,3P+N+PE	AC400V,3P+N+PE	AC400V,3P+N+PE	AC400V,3P+N+PE	AC400V,3P+N+PE	AC400V,3P+N+PE
Rated Output Frequency	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Output Interface 1	2*400A Powerlocks						
Output Interface 2	3P+N+PE:1*63A CEE,1*32A CEE,1*16A CEE;						

DC Discharge

Rated Input Voltage	AC400V,3P+N+PE	AC400V,3P+N+PE	AC400V,3P+N+PE	AC400V,3P+N+PE	AC400V,3P+N+PE	AC400V,3P+N+PE	AC400V,3P+N+PE
Charging Input Voltage Range	340~460V	340~460V	340~460V	340~460V	340~460V	340~460V	340~460V
Rated Input Frequency	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Rated Input Frequency	1*400A Powerlocks						
Charging Connector 2	1*63A CEE(125A Optional)						

DC Charging

Automatic Grid / Off-Grid Switching	Included	Included	Included	Included	Included	Included	Included
Grid / Off-Grid Switching Time	≤20ms	≤20ms	≤20ms	≤20ms	≤20ms	≤20ms	≤20ms
Battery Charger	40kW(80kW Optional)	40kW(80kW Optional)	40kW(80kW Optional)	40kW(80kW Optional)	40kW(80kW Optional)	40kW(80kW Optional)	40kW(80kW Optional)
Power Control Mode	PQ/VE/VSG	PQ/VE/VSG	PQ/VE/VSG	PQ/VE/VSG	PQ/VE/VSG	PQ/VE/VSG	PQ/VE/VSG
External Anti-Backflow Meter	Included	Included	Included	Included	Included	Included	Included

System Parameters

Parallel Units	2 Units	4 Units	4 Units	4 Units	4 Units	4 Units	4 Units
Cooling Method	Liquid Cooling	Liquid Cooling	Liquid Cooling	Liquid Cooling	Liquid Cooling	Liquid Cooling	Liquid Cooling
Communication Interface	Modbus TCP	Modbus TCP	Modbus TCP	Modbus TCP	Modbus TCP	Modbus TCP	Modbus TCP
Operating Temperature Range	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C
Noise Level	75dB	75dB	75dB	75dB	75dB	75dB	75dB
Max. Operating Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m
Protection Rating (IP Rating)	IP54	IP54	IP54	IP54	IP54	IP54	IP54
Corrosion Protection Rating	C4	C4	C4	C4	C4	C4	C4
Dimensions (W x H x D)	2438*2591*2991mm	2438*2591*2991mm	2438*2591*2991mm	2438*2591*2991mm	2438*2591*2991mm	2438*2591*2991mm	2438*2591*2991mm
Weight	Approx. 13 t	Approx. 12.7t	Approx. 12.4t	Approx. 11.2 t	Approx. 11t	Approx. 10.8t	Approx. 9 t

Certifications

EN 50549-1/10;
EN 50549-2/10;IEC 61000-6-2;IEC 61000-6-4;IEC 60529;IEC 62619;IEC 62477;
IEC 60370;UN 38.3;RoHS

