

Syner



Solar

Industrial

Systems

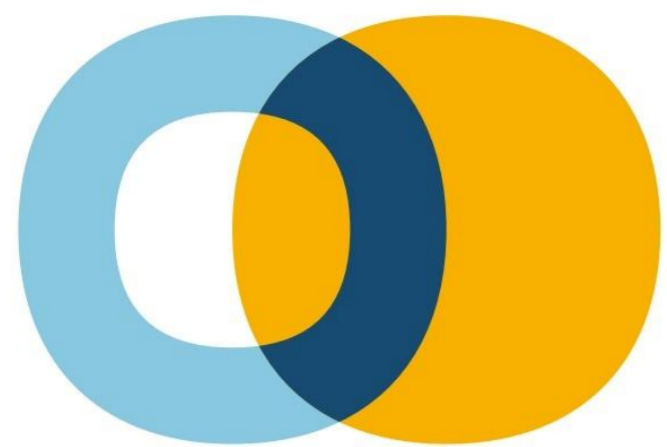


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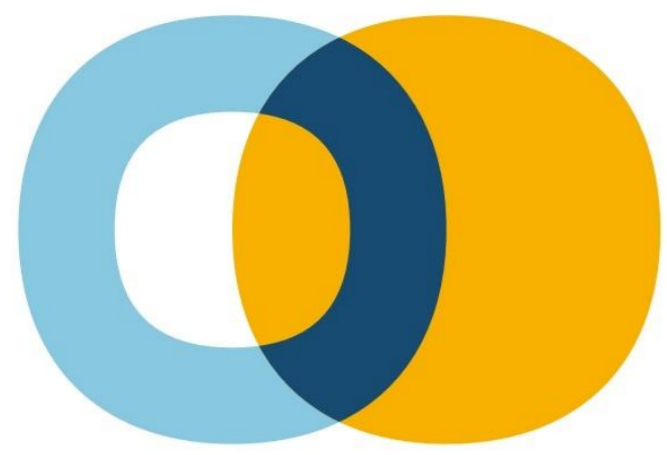


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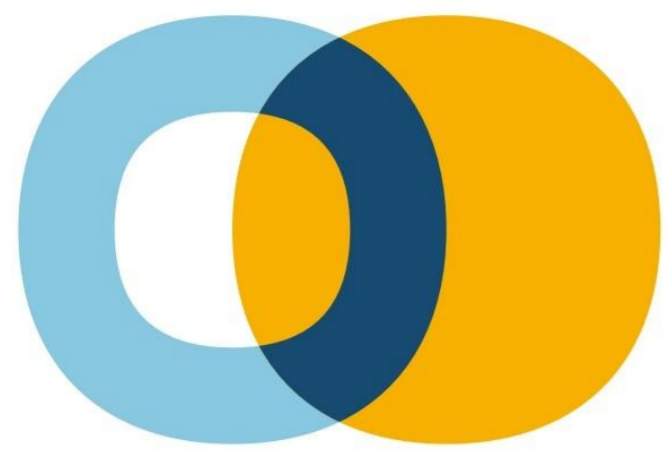


ALL-IN-ONE OUTDOOR ENERGY STORAGE CABINET



30 kW / 60 kWh

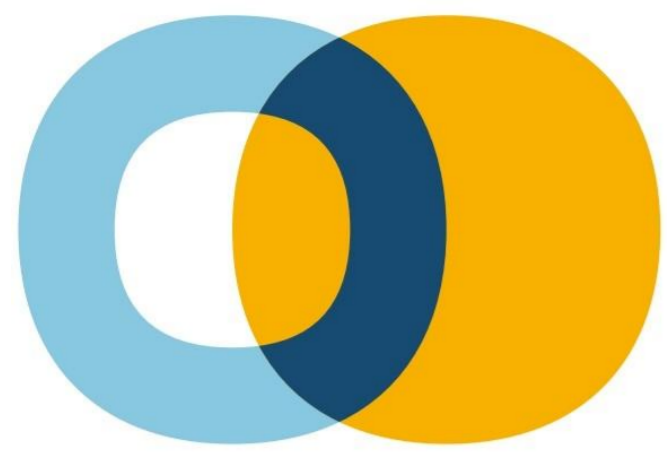
Model	30 kW / 60 kWh
DC Side	
Battery Cell	LFP-3.2 V - 100 Ah - 320 Wh
Module Capacity	5.12 kWh
System Configuration	1P12S
Rated Capacity	61.44 kWh
Voltage Range	518.4 - 691.2 V
Depth of Discharge	90 %
PV Side	



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Model	30 kW / 60 kWh
Input Voltage Range	200 - 850 V
MPPT Voltage Range	350 - 800 V
Number of MPPT Channel	2
Maximum Input Current	32 A
Maximum Input Power	19.2 kW*2
AC Side (On/Off-Grid)	
Rated Power	30 kW
Rated Voltage	400 V / 230 V
Rated Current	50 A
Adjustable Power Factor Range	(-1, 1)
Current Harmonic Distortion Rate	< 3 %
Maximum Conversion Efficiency	98 %
Wiring Method	3P3L
Other Parameters	
System Efficiency	≥ 85 %
Operating Temperature	-10 - 45 °C
Relative Humidity	5 % - 95 % RH
Altitude	< 2000 m
Protection Level	IP54
Cooling Method	Air cooling
Fire Protection System	Smoke detection, temperature detection, audible and visual alarm, exhaust system, fire suppression system
Communication Interface	Ethernet
Dimensions (W*D*H)	1200*1100*2000 mm



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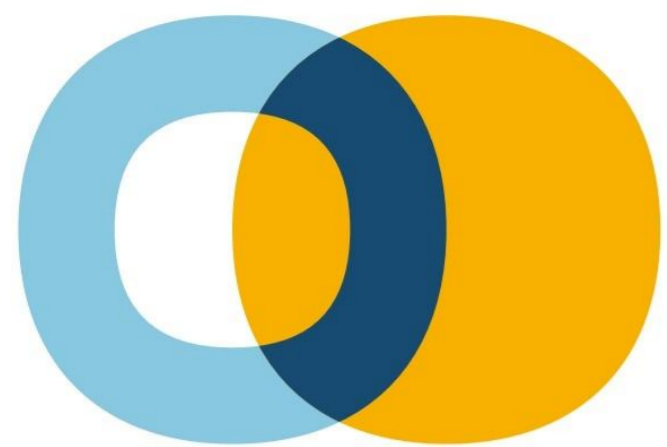


ALL-IN-ONE OUTDOOR ENERGY STORAGE CABINET



50 kW / 100 kWh

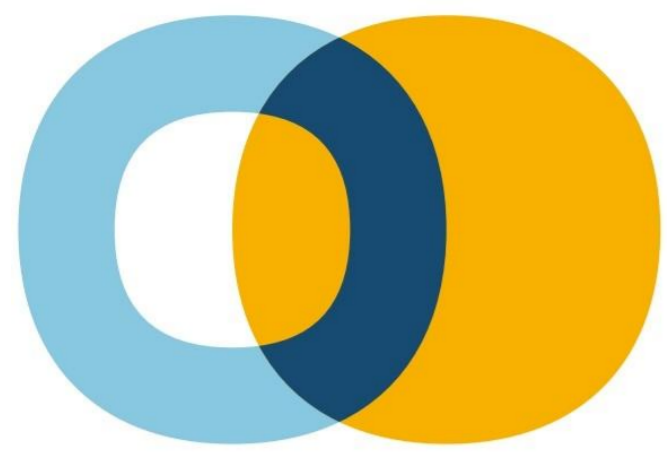
Model	50 kW / 100 kWh
DC Side	
Battery Cell	LFP-3.2 V - 102 Ah - 320 Wh
Module Capacity	10.24 kWh
System Configuration	1P10S
Rated Capacity	104.48 kWh
Voltage Range	432 - 576 V
Depth of Discharge	90 %



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Model	50 kW / 100 kWh
PV Side	
Input Voltage Range	350 - 800 V
MPPT Voltage Range	350 - 800 V
Number of MPPT Channel	3
Maximum Input Current	36 A
Maximum Input Power	19.2 kW*2
AC Side (On/Off-Grid)	
Rated Power	50 kW
Rated Voltage	340 V / 440 V
Rated Current	80 A*2
Adjustable Power Factor Range	(-1, 1)
Current Harmonic Distortion Rate	< 3 %
Maximum Conversion Efficiency	98 %
Wiring Method	3P3L/3P4L
Other Parameters	
System Efficiency	≥ 85 %
Operating Temperature	-10 - 45 °C
Relative Humidity	5 % - 95 % RH
Altitude	< 2000 m
Protection Level	IP54
Cooling Method	Air cooling
Fire Protection System	Smoke detection, temperature detection, audible and visual alarm, exhaust system, fire suppression system
Communication Interface	Ethernet
Dimensions (W*D*H)	700*1350*2000 mm



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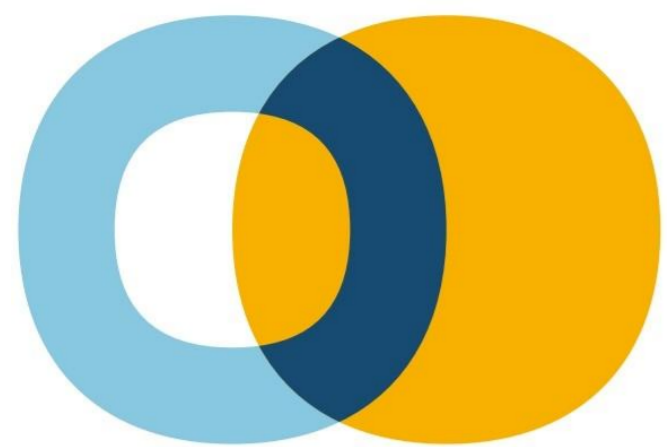


ALL-IN-ONE OUTDOOR ENERGY STORAGE CABINET SINGLE



60 kW / 120 kWh

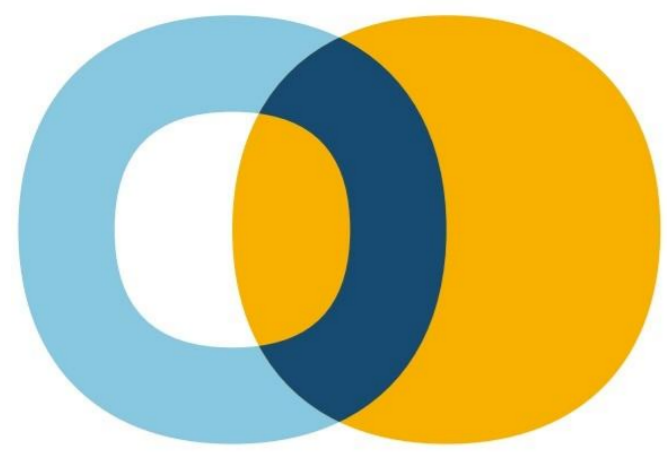
Model	60 kW / 120 kWh
DC Side	
Battery Cell	LFP-3.2 V - 280 Ah - 896 Wh
Module Capacity	14.336 kWh
System Configuration	1P9S
Rated Capacity	129 kWh
Voltage Range	388.8 - 518.4 V
Depth of Discharge	90 %



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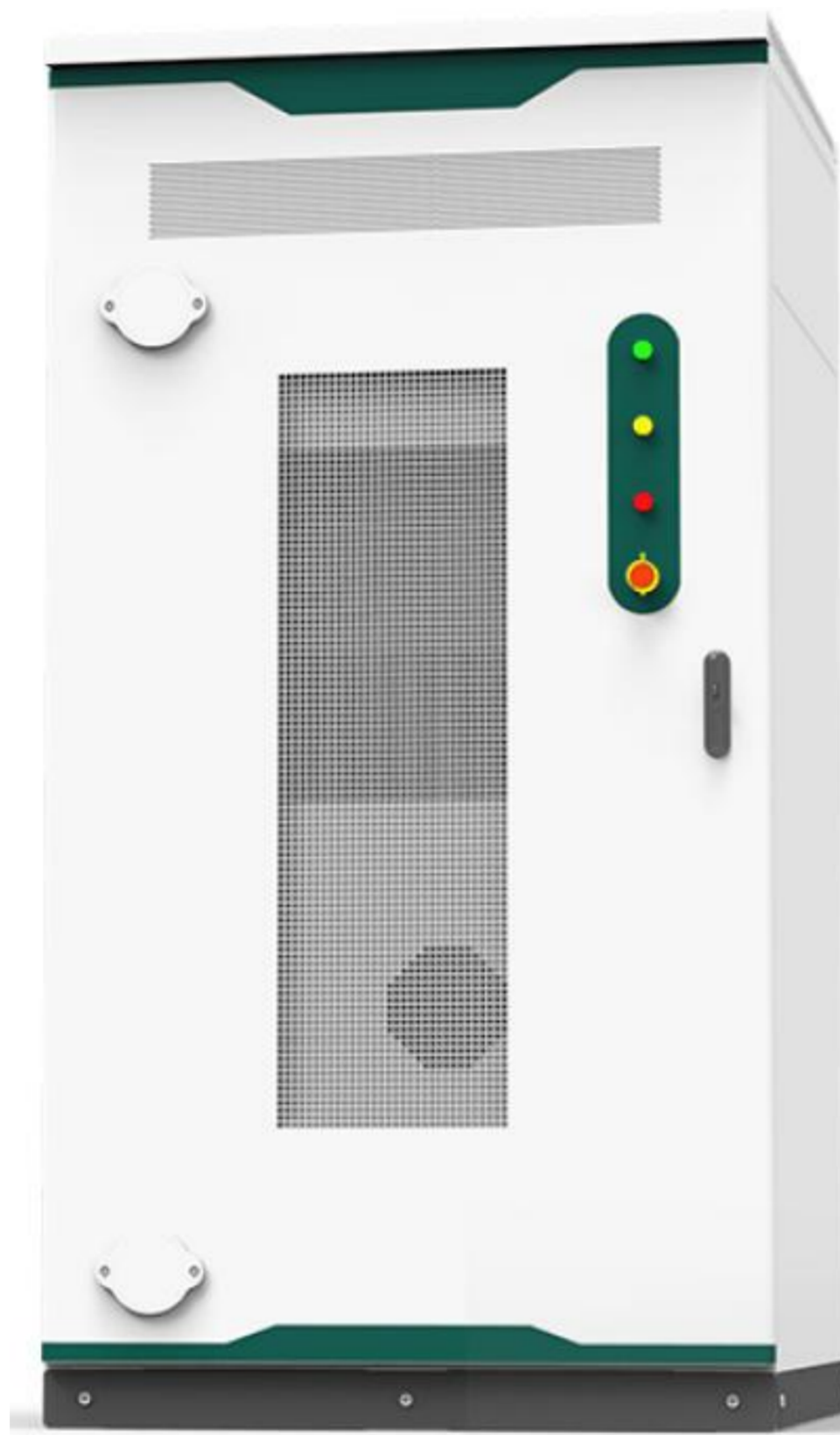
Model	60 kW / 120 kWh
PV Side	
Input Voltage Range	200 - 850 V
MPPT Voltage Range	350 - 800 V
Number of MPPT Channel	2
Maximum Input Current	32 A
Maximum Input Power	19.2 kW*4
AC Side (On/Off-Grid)	
Rated Power	60 kW
Rated Voltage	400 V / 230 V
Rated Current	100 A
Adjustable Power Factor Range	(-1, 1)
Current Harmonic Distortion Rate	< 3 %
Maximum Conversion Efficiency	98 %
Wiring Method	3P3L
Other Parameters	
System Efficiency	≥ 85 %
Operating Temperature	-10 - 45 °C
Relative Humidity	5 % - 95 % RH
Altitude	< 2000 m
Protection Level	IP54
Cooling Method	Air cooling
Fire Protection System	Smoke detection, temperature detection, audible and visual alarm, exhaust system, fire suppression system
Communication Interface	Ethernet
Dimensions (W*D*H)	1200*900*1800 mm



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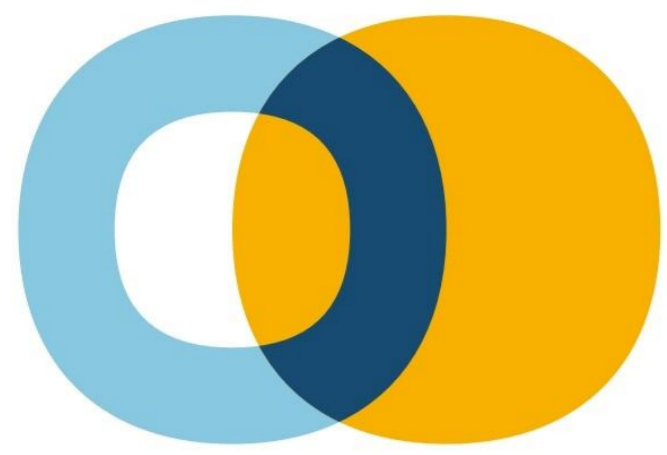
ALL-IN-ONE OUTDOOR ENERGY STORAGE CABINET



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100 kW / 215 kWh (AIR) / 100 kW / 215 kWh (LIQUID)

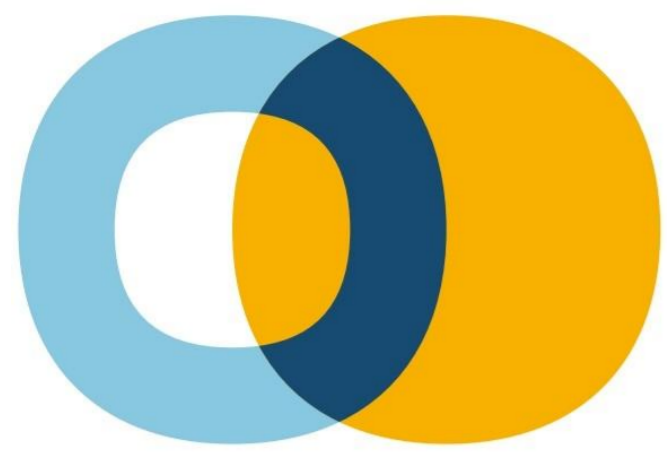
Model	100 kW / 215 kWh
DC Side	
Battery Cell	LFP-3.2 V - 280 Ah - 896 Wh
System Configuration	1P15S
Rated Capacity	215 kWh
Rated Voltage	768 V
Depth of Discharge	90 % DOD
PV Side	
MPPT Voltage Range	120 kW



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Model	100 kW / 215 kWh
Number of MPPT Channel	200 - 950 V
Maximum Input Current	50 A*4
MPPTS´	4
AC Side (Grid-connected)	
Rated Power	100 kW
Rated Voltage	400 VAC
Rated Current	145 A
Adjustable Power Factor Range	(-1, 1)
Current Distortion Rate	< 3 %
Overload Capacity	100 % Long-term
Maximum Conversion Efficiency	98.2 %
Wiring Method	3P3L / 3P4L
AC Side (Off-grid)	
Rated Output Power	100 kW
Rated Output Voltage	400 V
Frequency	50 ± 5 Hz
AC Voltage Harmonics	< 3 %
Other Parameters	
System Efficiency	≥ 85 %
Operating Temperature	-10 - 45 °C
Relative Humidity	5 % - 95 % RH
Altitude	< 2000 m
Protection Level	IP54
Cooling Method	Individual Temperature Control for Internal Air Conditioning
Fire Protection System	Perfluoro
Communication Interface	Network Port
Dimensions (W*D*H)	1600*1120*2253.5 mm
Weight	2500 Kg



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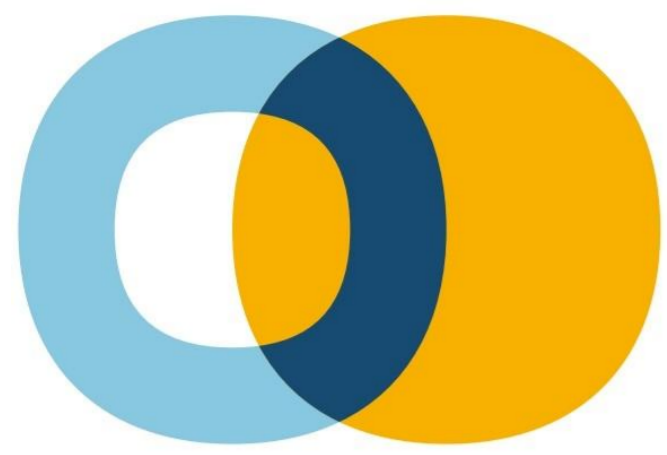


ALL-IN-ONE OUTDOOR ENERGY STORAGE CABINET



500 kW / 1075 kWh

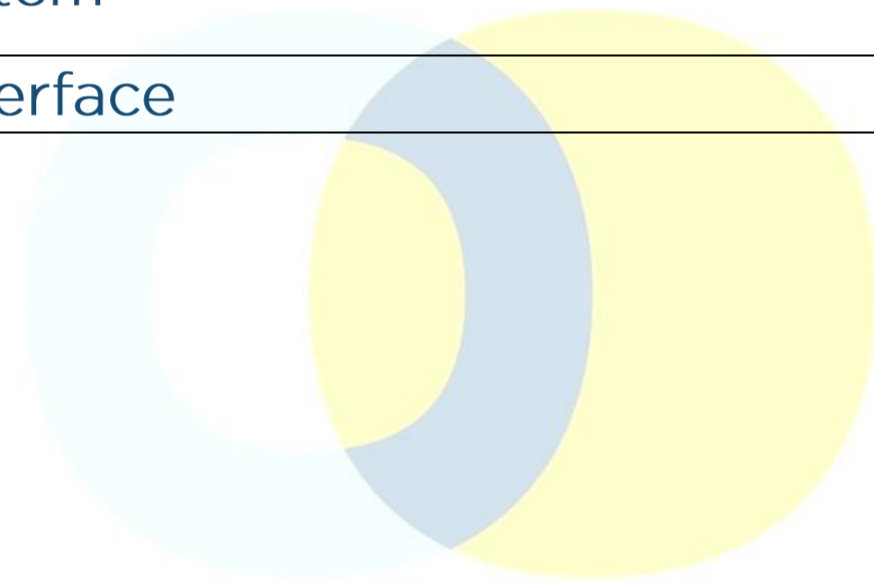
Model	100 kW / 215 kWh
DC Side	
Battery Cell	LFP-3.2 V - 280 Ah
Module Capacity	14.336 kWh
System Configuration	5P15S
Rated Capacity	1075 kWh
Rated Charge / Discharge Rate	0.5 C
Voltage Range	648 - 864 V
Depth of Discharge	90 % DOD
AC Side (On/Off-Grid)	



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Model	100 kW / 215 kWh
Rated Power	500 kW
Rated Voltage	400 V / 230 V
Rated Frequency	50 / 60 Hz
Adjustable Power Factor Range	(-1, 1)
Current Harmonic Distortion Rate	< 3 %
Overload Capacity	110 %
Maximum Conversion Efficiency	98.3 %
Wiring Method	3P3L
Other Parameters	
System Efficiency	≥ 85 %
Operating Temperature	-10 - 45 °C
Relative Humidity	5 % - 95 % RH
Altitude	< 2000 m
Protection Level	IP54
Cooling Method	Air cooling
Fire Protection System	Smoke detection, temperature detection, audible and visual alarm, exhaust system, fire suppression system
Communication Interface	Ethernet



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