

# Technical data /

## DCside

Parameters	Value
Battery voltage range	582.4V~759V DC
Nominal capacity	418 KWh
Nominal power range	100 KW ( up to 500KW with multiple DC cabinets)
Battery cell	LiFePO <sub>4</sub> (LFP)
Size (W*D*H) mm	1300*1360*2350
Weight	3700kg
FSS	Aerosol
Designed life cycle	8000
Cooling method	liquid
Max DC RTE BOL	94.10%
Relative humidity range	0%-95%, RH (No condensation)
Noise	≤75db
Allowable operating temperature	-20 ~ +55°C

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## AC side

Parameters	Value
Rated power	100-500KW
Max output power	10%
Rated AC current	160A(*1-5)
Rated Voltage AC	400V,3W+PE
Earthing type	TN-C / TN-S
Rated frequency AC	50/60Hz±5Hz
Power factor range	-1 leading to+1 lagging
Size (W*D*H) mm	1350*1360*2350
Weight	2500kg ( dependent on the ordered configuration)
Overload capacity	110%, normal operation; 120%, 1 minute
Protective Class	I
Ambient temperature	-25°Cto +60°C (derating above 45°C)



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## Inverter

Parameters	Value
Rated power	100kW
Max. power	110kW
DC operating voltage range	580~1000V ( 3W+PE) 625~1000V
DC-side full load voltage	(3W+PE)
Max. DC	160A
Rated AC voltage	400Vac, 3W+PE
Rated frequency	50/60Hz (±5Hz)
Rated AC current	144A
Overload capacity	110%, normal operation; 120%, 1
THDi	minute < 3% (rated power)
Power factor	-1 leading to +1 lagging
Maximum efficiency	98.50%
Dimensions (W*D*H)	566 (without ear kits
Weight (approx.)	520)*600*150mm 68kg
Isolation mode	No isolation
Anti-corrosion grade	C3
Application environment protection	Module built into outdoor cabinet
level IP rating	IP55 IP20
Ambient temperature	-30°C to +60°C (derating@>45°C)
Relative humidity	0 to 95% (no condensation)
Cooling system	Air cooled
Noise	<70dB
Altitude	3000m (derating above 3000 meters )
Communication interface	RS485 (optional)/CAN