TECHNISCHE DATEN	ES 2508	ES 2926	ES3344	ES4180	ES4598	ES 5016
Batteries						
Nominal battery voltage	1331.2 VDC kW	1331.2 VDC kW	1331.2 VDC kW	1331.2 VDC kW	1331.2 VDC kW	1331.2 VDC kW
Battery type	LiFePO4 3.2 V / 314 Ah	LiFePO4 3.2 V / 314 Ah	LiFePO4 3.2 V / 314 Ah	LiFePO4 3.2 V / 314 Ah	LiFePO4 3.2 V / 314 Ah	LiFePO4 3.2 V / 314 Ah
Battery Pack Configuration	1P104S / 104.4992 kWh	1P104S / 104.4992 kWh	1P104S / 104.4992 kWh	1P104S / 104.4992 kWh	1P104S / 104.4992 kWh	1P104S / 104.4992 kWh
Battery system configuration	7P416S	7P416S	7P416S	7P416S	7P416S	7P416S
Capacity	2507,981 kWh	2925,9776 kWh	3343,9744 kWh	4179,968 kWh	4597,965 kWh	5015.9616 kWh
Battery voltage range	1164.8 - 1497.6 VDS	1164.8 - 1497.6 VDS	1164.8 - 1497.6 VDS	1164.8 - 1497.6 VDS	1164.8 - 1497.6 VDS	1164.8 - 1497.6 VDS
Max Charging / Discharging Current	942 A (0,5C)	1099 A (0,5C)	1256 A (0,5C)	1570 A (0,5C)	1727 A (0,5C)	1884 A (0,5C)
Battery Disconnect	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Cooling concept of battery chamber	Liquid Cooling	Liquid Cooling	Liquid Cooling	Liquid Cooling	Liquid Cooling	Liquid Cooling
General Parameters						
Dimension W*D*H	6058*2438*2896 mm	6058*2438*2896 mm	6058*2438*2896 mm	6058*2438*2896 mm	6058*2438*2896 mm	6058*2438*2896 mm
Charge / Discharge Rate	0.5C	0.5C	0.5C	0.5C	0.5C	0.5C
Depth of Discharge	95%	95%	95%	95%	95%	95%
Life Cycle (80% kapacity)	6 000	6 000	6 000	6 000	6 000	6 000
Degree of Protection	IP55	IP55	IP55	IP55	IP55	IP55
System Efficiency	~ 91% (Without Auxiliary Equipment Energy Consumption)	~ 91% (Without Auxiliary Equipment Energy Consumption)	~ 91% (Without Auxiliary Equipment Energy Consumption)	~ 91% (Without Auxiliary Equipment Energy Consumption)	~ 91% (Without Auxiliary Equipment Energy Consumption)	~ 91% (Without Auxiliary Equipment Energy Consumption)
Fire Protection System	Aerosol	Aerosol	Aerosol	Aerosol	Aerosol	Aerosol
Allowed Ambient Temperature	- 30 ~ 60°C (>45°C Derating)	- 30 ~ 60°C (>45°C Derating)	- 30 ~ 60°C (>45°C Derating)	- 30 ~ 60°C (>45°C Derating)	- 30 ~ 60°C (>45°C Derating)	- 30 ~ 60°C (>45°C Derating)
Working altiitude	up to 2000 m	up to 2000 m	up to 2000 m	up to 2000 m	up to 2000 m	up to 2000 m
Allowed Relative Humidity	0 ~ 95%	0 ~ 95%	0 ~ 95%	0 ~ 95%	0 ~ 95%	0 ~ 95%
Enclosure Corrosion Resistance Level	C3 (C4 / C5 Optional)	C3 (C4 / C5 Optional)	C3 (C4 / C5 Optional)	C3 (C4 / C5 Optional)	C3 (C4 / C5 Optional)	C3 (C4 / C5 Optional)
Weight	app 25 000 kg	app 28 000 kg	app 31 000 kg	app 37 000 kg	app 40 000 kg	app 43 000 kg
SPD	DS TYPE II / AC TYPE II	DS TYPE II / AC TYPE II	DS TYPE II / AC TYPE II	DS TYPE II / AC TYPE II	DS TYPE II / AC TYPE II	DS TYPE II / AC TYPE II
Lifting Options	Crane	Crane	Crane	Crane	Crane	Crane
Scalability	Yes, Unit can be connected in parallel	Yes, Unit can be connected in parallel	Yes, Unit can be connected in parallel	Yes, Unit can be connected in parallel	Yes, Unit can be connected in parallel	Yes, Unit can be connected in parallel
Monitoring						
Communication	RS485 / Ethernet	RS485 / Ethernet	RS485 / Ethernet	RS485 / Ethernet	RS485 / Ethernet	RS485 / Ethernet
Communication Protocols	MODBUS - RTU / MODBUS - TCP	MODBUS - RTU / MODBUS - TCP	MODBUS - RTU / MODBUS - TCP	MODBUS - RTU / MODBUS - TCP	MODBUS - RTU / MODBUS - TCP	MODBUS - RTU / MODBUS - TCP
Certification						
Battery cell	CE, RoHS, UN38.3, MSDS, ESG	CE, RoHS, UN38.3, MSDS, ESG	CE, RoHS, UN38.3, MSDS, ESG	CE, RoHS, UN38.3, MSDS, ESG	CE, RoHS, UN38.3, MSDS, ESG	CE, RoHS, UN38.3, MSDS, ESG
Battery Pack	CE, UN38.3, MSDS	CE, UN38.3, MSDS	CE, UN38.3, MSDS	CE, UN38.3, MSDS	CE, UN38.3, MSDS	CE, UN38.3, MSDS
Battery Rack	CE, UN38.3, MSDS	CE, UN38.3, MSDS	CE, UN38.3, MSDS	CE, UN38.3, MSDS	CE, UN38.3, MSDS	CE, UN38.3, MSDS