EBI 99-125K-R

PCS



High yield

- Advanced three-level technology, max. efficiency 98.3%
- Effective forced air cooling, no derating up to 45℃
- Rack level management, more battery usable energy

Flexible & Reliable

- Bidirectional power conversion system with full four-quadrant operation
- Modular design, easy for design & maintenance
- IP66 protection degree, suitable for outdoor installation

Grid support

- Compliant with CE, IEC 62477-1 and grid regulations
- L/HVRT, Fast active/reactive power response

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Model	EBI 99K-R	EBI 125K-R
DC Side		
Maximum DC Voltage	1200V	
DC Voltage Working Range	600~1200V	
DC Voltage Full-power Working Range	650~1100V	
Maximum DC Current	158A	220A
AC Side (Grid-on)		
Rated AC Power	99.99 kW	125 kW
Maximum AC Active Power	99.99 kW	138 kW
Maximum AC Apparent Power	99.99 kVA	138 kVA
Rated AC Current	144A	180A
Maximum AC Current	144A	198A
Rated Grid Voltage	400V 3W+PE	
Grid Voltage Range	340~440V	
Rated Grid Frequency	50/60Hz	
Grid Frequency Range	45~55Hz / 55~65Hz	
Power Factor	-1~1	
THDi (@Rated Power)	< 3%	
System Parameters		
Working Temperature	-35˚C~60˚C, > 45˚C derating	
Relative Humidity	0~100%, no condensation	
Noise Level	< 75dB	
SPD	DC: type II, AC: type II	
Maximum Working Altitude	4000m, > 2000m derating	
Cooling Method	Temperature controlled forced air cooling	
Communication Port	CAN, RS485, Ethernet	
Degree of Protection	IP66	
Mechanical Parameters		
Dimensions (W×H×D)	740×265×850 mm (without terminals)	
Weight	< 98kg	
Terminal Block (AC/DC/Signal)	Waterproof quick plug	

*All specifications are subject to change without notice.