

C&I ESS

POWER MAGIC





Product advantages

High Yield

- Advanced three-level technology, max. efficiency 98.3%
- Effective forced air cooling, no derating up to 45°C
- Rack level management, more yielding

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 and Grid regulations
- L/HVRT, Fast active/reactive power response

Model	EBI 125K-R
DC Side	
Maximum DC Voltage	1200 V
DC Voltage Working Range	600-1200 V
Maximum DC Current	220 A
AC Side (Grid-on)	
Rated AC Power	125 kW
Maximum AC Active Power	138 kW
Maximum AC Apparent Power	138 kVA
Rated AC Current	180 A
Maximum AC Current	198 A
Rated Grid Voltage	400V 3W+PE
Grid Voltage Range	340-440V
Rated Grid Frequency	50 / 60 Hz
Grid Frequency Range	45-55Hz /55-65Hz
Power Factor	-1~1
Current Total Harmonic Distortion (@Rated Power)	<1.5%
System Characteristics	
Working Temperature	-35°C-60°C
Relative Humidity	0-100%, no condensation
Noise level	<75 dB
Maximum Working Altitude	4000m
Cooling method	Temperature controlled forced air cooling
Communication port	CAN, RS485, Ethernet
Degree of Protection	IP66
Mechanical Parameters	
Dimensions (W*H*D)	740*265*850mm (without terminals)
Weight	<93 kg

* If the size and parameters of the product are changed, the latest information of the company shall prevail without prior notice.