EBI99-125K-R-G2

PCS



High yield

- Advanced three-level topology, max. effciency 98.8%
- Smart air cooling design, no derating up to 50˚C
- BPU and BCU integrated to save system cost
- 3P4W output in off-grid mode, support single phase load w/o isolation transformer

Grid support

- Support active and reactive power response with four-quadrant operation
- Power response time less than 30ms
- HVRT/LVRT to support the grid

Flexible & Reliable

- IP66 protection degree, suitable for outdoor installation
- With intelligent control algorithm, supports parallel operation and flexible capacity

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Model	EBI125K-R-G2	EBI99K-R-G2
DC Side		
Maximum DC Voltage	950V	
DC Voltage Working Range	600~950V	
DC Voltage Full-Power Working Range	650~950V	620~950V
Maximum DC current	217A	166A
BPU Integration (W/ BPU)	BCU, DC load switch, DC relays, Hall sensors integrated	
AC Side (Grid-tied)		
Rated AC Active Power	125 kW	99 kW
Maximum AC Active Power	138 kW	99.99 kW
Maximum AC Apparent Power	138 kVA	99.99 kVA
Rated AC Current	180A	143A
Maximum AC Current	198A	144A
Rated Grid Voltage	230/400V, 3P+N	
Grid Voltage Range	323~460V	
Rated Grid Frequency	50/60Hz	
Grid Frequency Range	45~55Hz/55~65Hz	
Power Factor	-1~1, adjustable	
THDi	<1.5% @Rated Power	
AC Side (Off-grid)		
Rated Output Power	125 kVA	99 kVA
Maximum Output Power	138 kVA	99.99 kVA
Rated Output Current	180A	143A
Maximum Output Current	198A	144A
Rated Output Voltage	230/400 V, 3P+N	
Rated Output Frequency	50/60 Hz	
Unbalanced Load Capability	100% unbalanced load	
THDv	< 1.5% (linear balance load)	
AC Voltage DC Component	< 0.5% Un (Linear balance load)	
Power Factor	0.8~1, leading or lagging	
Overload Capacity	120%,1min; 150%, 10s, 160%, 2s @35˚C	
System Characteristics		
Working Temperature	-35˚C~60˚C, > 50˚C derating	
Relative Humidity	0~100%, no condensation	
Noise Level	< 68dB @1m, 25˚C, full-power	
SPD	DC: type II, AC: type II	
Maximum Working Altitude	4000m, > 2000m derating	
Cooling Method	Smart forced air cooling	
Communication Port	CAN, RS485, Ethernet	
Ingress Protection	IP66	
General Data		
Dimensions (W×H×D)	740×265×850 mm (without terminals and switch handle)	
Weight	< 98kg	

*All specifications are subject to change without notice.