

EPCS125-AM (-F)

Power Conversion System

 Cost-Effective & High Efficiency

- Perfectly compatible with 280 / 314 / 320Ah battery cell system.
- High conversion efficiency, powerful off-grid load carrying capacity.

 Smart Control

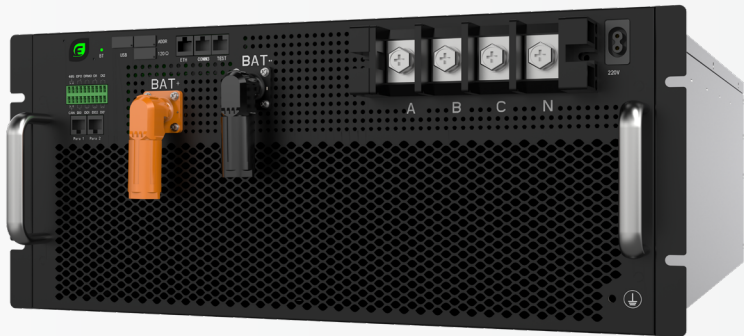
- High-efficient and smart fan speed control for better heat dissipation.
- Smart control, single-phase power regulation available.

 Efficient and flexible

- Compatible with three-phase three/four-wire, supports 100% unbalanced load.
- Modular design for streamlined installation and convenient maintenance.

 Intelligent and Friendly

- Supports EMS, BMS system linkage.
- Excellent grid adaptability (Stable operation when THDu ≤ 20%).



Spec.	EPCS125-AM (-F)
DC Side	
Operating voltage range	615-950 V (3P + PE) / 650-950 (3P + PE + N)
Max. current	203 A
AC Side	
Rated voltage	230 / 400 V
Rated voltage range	±15%
Rated frequency	50 / 60 Hz
Wiring method	3P + PE (+ N)
Maintenance method	Front side maintenance / Rear side maintenance
Rated power	125 kW
Max. power	138 kW
Max. current	200 A
Power factor	0.99 /-1 ~ 1
THDi	< 2% (@Rated power)
DC component	0.5%
Overload capability	110% Long-term
Max. efficiency	≥ 98.5%
System Parameters	
Dimensions (W × H × D)	Asia & Africa & Latin America version: Version A: 520 × 232 × 785 mm; 520 × 232 × 725 mm (*) Version B: 500 × 270 × 670 mm; 440 × 255 × 620 mm (*) Australia&Europe version: 520 × 232 × 785 mm; 520 × 232 × 725 mm (*)
Weight	Asia & Africa & Latin America version: Version A: 70 kg; 64.5 kg (*) / Version B: 66.5 kg; 59 kg (*) Australia&Europe version: 74.5 kg; 69 kg (*)
Altitude	4000m (> 2000 m derating)
Operating temperature	-30° C ~ 55° C (> 45 ° C derating)
Operating humidity	0% RH~95% RH, non-condensing
Cooling method	Intelligent air cooling
Ingress protection	IP20
Communication	CAN / RS485 / Ethernet
Compliant certifications	GB/T 34120-2023, GB/T 34133-2023, EN 62477, EN IEC 61000
*Version A: Standard model; Version B: Dimension-compatible with 105kW PCS.	
*Values correspond to rear side maintenance version.	