

|| EPCS105-AM(-F)



Efficient conversion

- Three-level topology with high conversion efficiency
- High dynamic response, ms-level full-load charging/discharging switching



Safe and reliable

- String design, wide DC voltage range, supports multiple types of battery use
- Seamless off-grid and on-grid switching, with STS to provide uninterruptible backup power supply



Intelligent collaboration

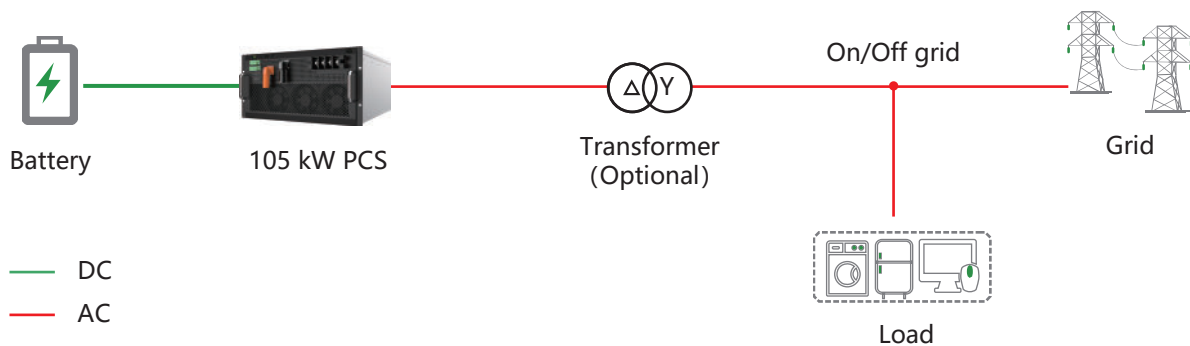
- VSG / PQ / VF multiple operation modes
- Off-grid parallelism, black start function



Grid friendly

- LVRT, HVRT, active power management and 100% unbalanced load
- Excellent grid adaptability (stable operation under $THDu \leq 20\%$ operating conditions)

Typical Application



Technical Parameters

Spec.	EPCS105-AM(-F)
DC side	
Operating voltage range	615 V ~ 950 V / 650 V ~ 950 V
Max. current	170 A
AC side	
Rated voltage	230 V / 400 V
Voltage range	±15%
Rated frequency	50 / 60 Hz
Wiring method	Three-phase Three-wire / Three-phase Four-wire
Maintenance method	Front side maintenance / Rear side maintenance
Rated power	105 kW
Max. power	115.5 kW
Max. current	167 A
Power factor	0.99 / -1 ~ 1
Current distortion rate	< 3% (@rated power)
DC component	< 0.5%
Overload capacity	110% long term
Max. efficiency	98.5%
General parameters	
Dimension (W × H × D)	500 × 270 × 670 mm
	440 × 255 × 620 mm (*)
Weight	66.5 kg
	59 kg (*)
Altitude	4000 m (derate above 2000 m)
Operating temperature	-30 °C ~ 55 °C (derate above 45 °C)
Humidity	0% RH~95% RH, non-condensing
Cooling method	Intelligent air cooling
IP rating	IP20
Communication	CAN / RS485 / Ethernet
Storage temperature	-45 °C ~ 70 °C

* Indicates the size / weight of the rear side maintenance mode

