

GAZ ENERGY PCS String

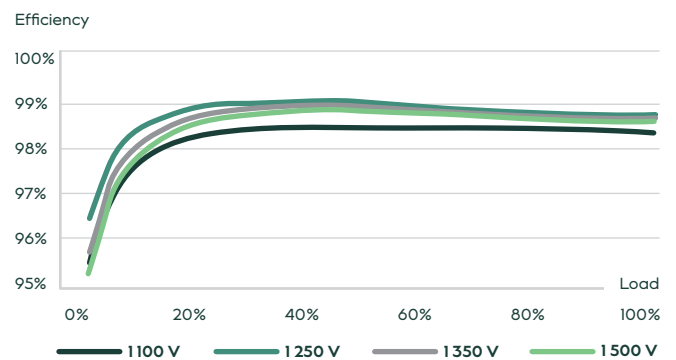
MODEL
GEN-PCS-236 kVA



Key Benefits

- Maximum efficiency up to 99% – top performance and energy savings
- Modular design – flexibility, easy maintenance, and higher reliability
- IP66 protection – dustproof and waterproof for harsh environments
- Two-stage PCS architecture optimizes DC voltage and protects the ESS from grid faults
- Grid-forming functionality – stabilizes voltage and frequency in the grid

Efficiency curve



Max. Efficiency
99%



IP66
Protection



Dual-stage
Architecture



Modular
Design



Technical Specifications

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Efficiency

Max. efficiency	99,1%
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DC Side

Rated voltage	1331,2 V
Max. voltage	1500 V
Operating voltage range	800 V ~ 1500 V
Rated power operating voltage range	1100 V ~ 1500 V
Max. current	218,5 A

AC Side

Rated active power	213 kW @40 °C; 192 kW @50 °C
Max. apparent power	236,4 kVA
Rated voltage	800 V
Rated grid frequency	50 Hz / 60 Hz
Max. current	170,6 A
Adjustable power factor range	-1 ~ +1
Max. total harmonic distortion	THD _i ≤ 1,5% (Rated)

Protection

AC overcurrent protection	Yes
DC reverse-polarity protection	Yes
Insulation resistance detection	Yes
Residual current protection (RCD)	Yes
DC surge protection	Type II
AC surge protection	Type II

Communication

Status indication	LED
Connection interface	USB + APP, Ethernet
Communication protocol	CAN

General

Dimensions (W x D x H)	875 x 365 x 865 mm
Weight	≤ 110 kg
Operating temperature	-25 ~ 60 °C
Cooling method	Air cooling
Max. operating altitude without derating	4700 m
Relative humidity	0 ~ 100% (Non-condensing)
DC connector	OT / DT Terminal
AC connector	OT / DT Terminal
Protection degree	IP66
Anti-corrosion degree	C5-Medium
Topology	Transformerless
Standards compliance	IEC/EN62477-1, etc.

