



## PCS SERIES Modular PCS

Modular Design  
100kW

### Efficient & Economical



Supports multiple charging strategies: constant voltage, constant current, and constant power



Three-level + adaptive control, efficiency >98%



Multiple communication interfaces, supports mainstream protocols, compatible with multi-brand batteries

### Safe & Reliable

- Support 110% overload long-term operation

- Multiple protection measures, fault self-diagnosis

- Efficient harmonic suppression algorithm to use in weak grid

### Flexible & Convenient

- Modular design, plug and play

- Independent fan module, easy maintenance

- Supports the AC parallel operation of multiple devices, adapts to a variety of scenarios

- supports horizontal / vertical installation, adapts to a variety of cabinets

	PCS-100KM-L-Y1
	<b>AC Output Data</b>
Rated AC Power	100 kW
AC Grid Connection Type	3W / PE
Overload Capability	110 kW
	<b>On-Grid operation Mode</b>
AC Voltage	400 Vac (-15%~+15%)
AC Grid Frequency	50 Hz
Adjustable Power Factor	0.99 (-1~+1)
THDi	≤3%
	<b>Off-Grid Operation Mode</b>
Rated Output Voltage	400 Vac
Rated Output Frequency	50 Hz
	<b>DC output Data</b>
Maximum DC Power	110 kW
DC Voltage Range	620~900 V
Maximum DC Current	178 A
No. of DC Input	1
DC precharge Circuit	Yes
Maximum Efficiency	>98%
	<b>General Parameters</b>
Dimension (W*H*D)	500 x 220 x 725 mm
Weight	58 Kg
Noise	<70 dB
IP Degree	IP20
Operating Temperature Range	-30°C~+60°C (大于45°C降额)
Cooling Method	Smart fan cooling
Relative Humidity	0~95% (Non-condensing)
Maximum Operating Altitude	4000 m (>2000 m derating)
Certification	GB/T 34120-2017, GB/T 34133-2017
	<b>Display &amp; Communication</b>
Display	LED
Communication	RS485, Ethernet, CAN 2.0
BMS Connect	RTU / Modbus TCP
	<b>Protection</b>
Protection	Battery reverse polarity protection, DC Overcurrent Protection, AC Overcurrent Protection, AC Overvoltage Protection, Surge Protection, Grid Monitoring, Fault self-diagnosis