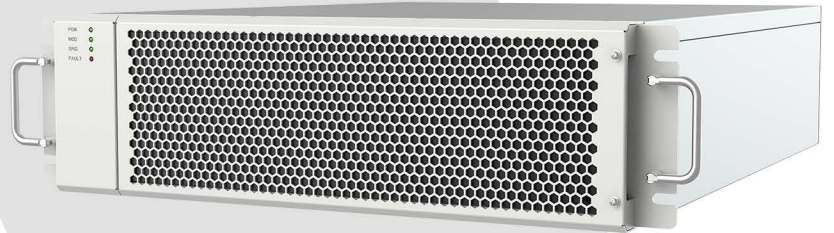


# GRASEN PCS Power Module

## Bidirectional DC/AC Converter



### High Efficiency

Supports AC/DC input and black start. Bi-directional energy flow, seamless forward and reverse switching and the full-load switching time down to 30ms.



### Convenient

Modular design, flexible multi-machine parallel connection, and easy to maintain and expand.



### Intelligent

Automatically adjusted fans to reduce power consumption and noise. Supports the integration of local EMS and intelligent control.



### Reliable

Resistant to high and low temperatures, humidity, salt spray, and other harsh environments.

### Benefits

- Parallel system power level covers 60kW-600kW
- Reactive power compensation and harmonic compensation
- Excellent load adaptability and grid adaptability
- Wide operating temperature range of -30°C to 60°C
- Intelligent switching among off-grid, grid-connected, and rectification modes

### Application Area

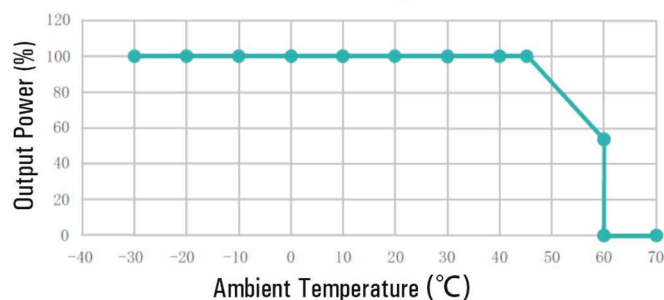
- Renewable energy systems
- Uninterruptible power supplies
- Energy storage systems

## Technical Specifications

Item	Model	60KW
DC Parameters	Rated Voltage	800VDC
	Voltage Range	680VDC~1000VDC
	Max Charging/Discharging Current	88A
AC Input Parameters	Max Input Active Power	60KW
	Max Continuous Input Current	86A
	Rated Input Frequency	50Hz
	Power Factor	0.8cap~0.8ind
AC Output Parameters	Rated Output Voltage	230/400VDC, 3P + N + E
	Rated Output Frequency	50Hz
	Max Continuous Output Current	86A
	Max Output Active Power	60kVA
General	Working Temperature	-30 °C ~ +60 °C (>45 °C derating)
	Max Efficiency	0.985
	Protection	IP20
	Dimension(W x D x H)	436mm*550mm*130mm
Communication	BMS Communication Interface	CAN, RS485
	EMS communication interface	Ethernet, RS485
	EMS communication protocol	ModbusTCP/ModbusRTU

\*Please note that this is preliminary data—the final product and data are subject to change.

Power vs. Ambient Temperature



Power vs. Voltage

