

# PWD-800K Smart Transfer Switch Cabinet



## Features

### Flexible Configuration

- Optional indoor and outdoor installation
- Compatible with various Sinexcel PCS

### High Efficiency & Stability

- Active switching from grid-following to grid-forming time: 0ms
- Passive switching from grid-following to grid-forming time:  $\leq 20\text{ms}$

### Extensive Use

- Auto-switching between on-grid and off-grid for backup
- Equipped with smart meters for grid-support monitoring

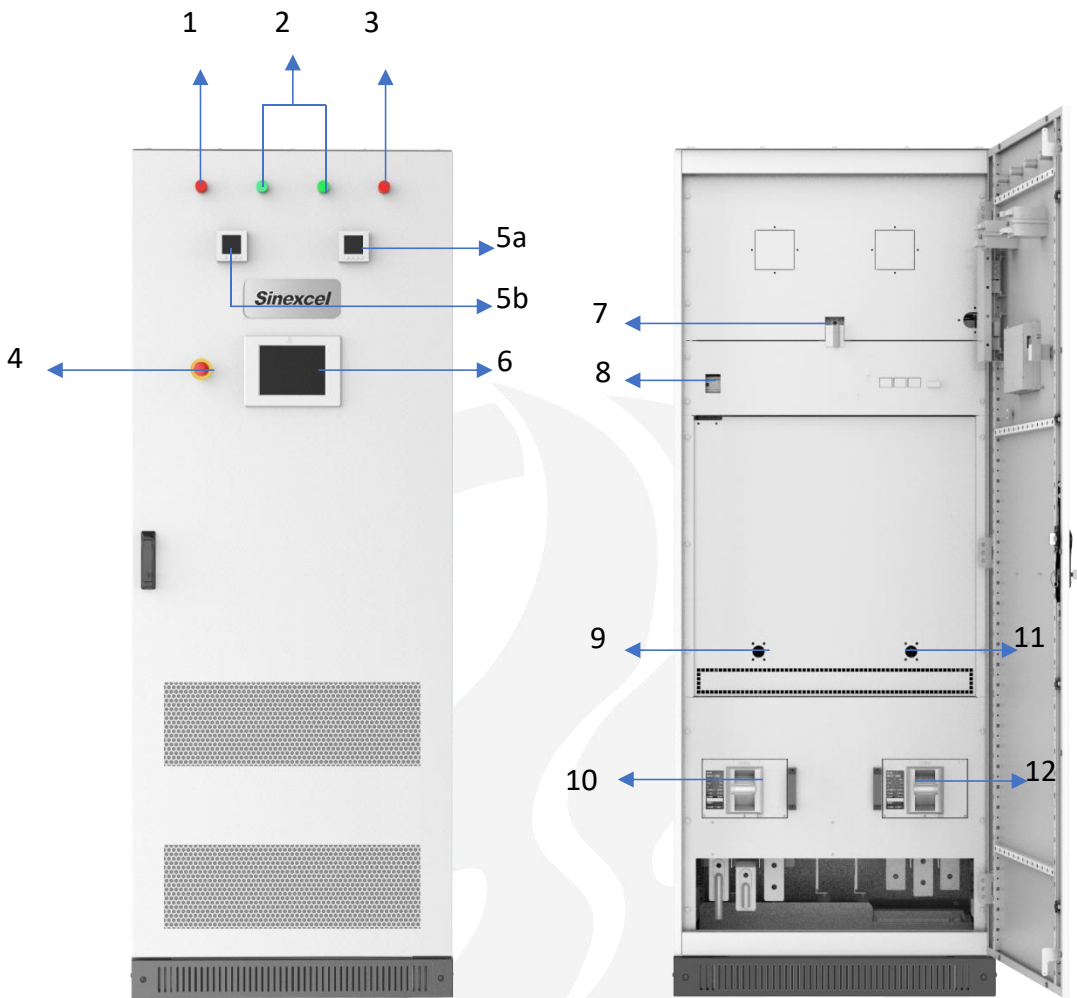
### Safety & Compatibility

- Controlled by/with PCS & EMS
- HMI for visualization operation and monitoring

# Specification

Model	PWD-800K
<b>Basic Parameter</b>	
Nominal output power	800kW
Nominal grid voltage	400V
Input grid range	-15%~15%
Output grid range	-15%~15%
AC frequency	50Hz/60Hz ( $\pm 2.5$ Hz)
Long-term output overload capacity	1.1
Grid-tied/off-grid switch time	<20ms
Nominal current	1215A @380Vac, 1154A@400Vac
Max. current	1336A @380Vac, 1269A@400Vac (1.1 times)
The maximum efficiency	99.5% (full load)
Communication interface	RS485, CAN and Ethernet
Max on-load switching power	500kW (RCD load、pure capacitive load or inductive load is less than 100kW)
Wiring method	3P4W
Auto-protection	Over-temperature、AC over-voltage or under voltage、AC reverse sequence、E-STOP、fan fault、output overload
Programmable protection	AC voltage protection upper & lower limit, AC frequency protection upper & lower limit
Lifetime	10 years
Grid access	1 input
PCS access	1 input (less than 500KW)
Load access	1 input
Weight	450Kg
Noise	< 75dB
IP degree	IP20
Temperature range	-20°C~50°C
Cooling mode	Forced air cooling
Humidity range	0~95% (No condensing)
Max elevation	3000m
Dimension (W×D×H)	800*800*2160mm
Display	LCD

# Appearance



Position	Designation	Description
1	Fault Indicator	
2	On-Grid/Operation Indicator	
3	Off-Grid Indicator	
4	Emergency Button	
5a	Grid-Side Meter	Voltage/current sampling
5b	Load-Side Meter	Voltage/current sampling
6	Touch Screen	HMI
7	Fan Switch Circuit Breaker	
8	24V Power Switch Circuit Breaker	
9	Grid Switch	
10	Load Switch	
11	By-Pass Switch	
12	PCS Switch	