

# PWD-300K 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-300K
<b>Basic Parameter</b>	
Nominal output power	300kW
Nominal grid voltage	380V/400V
Input grid range	-15%~15%
Output grid range	-15%~15%
AC frequency	50Hz/60Hz (±5Hz)
Nominal current	455A @380Vac, 433A@400Vac
Max current	500A @380Vac, 476A@400Vac
Grid-tied/off-grid switch time	<20ms
The maximum efficiency	99.5% (full load)
Communication interface	RS485, CAN and Ethernet
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
Weight	200kg
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*1500 mm

# Appearance



Position	Designation	Description
1	Fault Indicator	
2	On-Grid/Operation Indicator	
3	Off-Grid Indicator	
4	Emergency Button	
5	Touch Screen	
6	24V Power Switch Circuit Breaker	
7	Grid Switch	
8	Load Switch	
9	By-Pass Switch	
10	PCS Switch	