

# PWD-300P Intelligent Switching Module



## Features

### Automatic Switching

- Automatically completes on-grid/off-grid switching and on-grid synchronization, without manual operation.

### High Efficiency & Stability

- Active switching time from on-grid to off-grid is 0ms
- Passive switching time from on-grid to off-grid < 15ms

### Flexible Configuration

- Compact in size, used with unique PCS modules
- Installed inside the cabinet, with IP20 enclosure protection

### Safety & Compatibility

- Support controlled by PCS & EMS
- The system is equipped with multiple protections.

# Specification

Model	PWD-300P
<b>Grid Side Parameters</b>	
AC Rated Power	156kVA (AC 208V) 300kVA (AC 400V) 360kVA (AC 480V)
AC Connection	3P4W
AC Voltage Range	208V/400V/480 (-15%~15%)Vac
AC Frequency	50/60(-5~5)Hz
<b>PCS Side Parameters</b>	
AC Rated Power	156kVA (AC 208V) 300kVA (AC 400V) 360kVA (AC 480V)
Input Branches	1
<b>Load Side Parameters</b>	
AC Rated Power	223.6kVA (AC 208V) 430kVA (AC 400V) 516kVA (AC 480V)
Output Branches	1
<b>System Parameters</b>	
On-grid to Off-grid Switching Time	Active switching 0ms / Passive switching <15ms
Off-grid to On-grid Switching Time	Seamless Synchronization
Maximum Conversion Efficiency	99.5%
Dimension (W×H×D)	440*300*645 mm
Weight	50kg
Noise	<80dB
Enclosure	IP20
Operating Temperature	-25~60°C (>45°C derating)
Cooling Method	Forced Air Cooling
Operating Humidity	0~95% (No Condensation)
Operating Altitude	3000m (>3000m derating)
<b>Communication Parameters</b>	
Communication Interface	CAN*2/RS 485*4/LAN*2
Communication Protocol	Modbus TCP/RTU