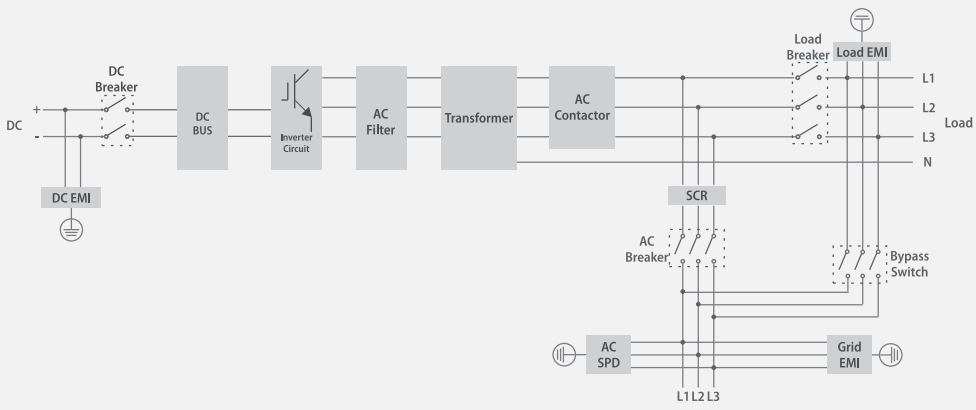
PCS250S/350S

Bidirectional battery inverter from 250kW to 350kW with built-in STS function,
can be used alone or with solar charge controllers and other accessories for different application scenarios.
No need for extra bypass cabinet for grid/off-grid switch.

Features

- Built-in STS
- Seamless on/off grid transfer within 10 ms
- Flexible configuration
- Touchscreen LCD
- Support remote control of DG
- Programmable working mode
- Max. 8 units in parallel for on&off grid operation

Block Diagram



	PCS250S	PCS350S
AC(on-grid)		
Apparent power	250KVA	350KVA
Rated power	250KW	350KW
Max.AC input	375KW	525KW
Rated voltage	400Vac	400Vac
Rated current	361A	505A
Voltage range	360V-440V	360V-440V
Rated frequency	50/60Hz	50/60Hz
Frequency range	45~55/55~65Hz	45~55/55~65Hz
THDI	<3%(@Pac,r)	<3%(@Pac,r)
PF	0.8 lagging~0.8 leading	0.8 lagging~0.8 leading
AC connection	3/N/PE	3/N/PE
AC(off-grid)		
Apparent power	250KVA	350KVA
Rated power	250KW	350KW
Rated voltage	400Vac	400Vac
Rated current	361A	505A
THDU	≤2% linear	≤2% linear
Rated frequency	50/60Hz	50/60Hz
Overload capability	110%-10 mins 120%-1 min	110%-10 mins 120%-1 min
DC (Battery and PV)		
Rated power	250KW	350KW
Current regulation	±1%	±1%
Voltage regulatoin	±1%	±1%
Voltage ripple	<3%	<3%
Current ripple	<2%	<2%
Voltage range	600V-900V	600V-900V
Max. charge/discharge power	275KW	360KW
Max. charge/discharge current	458A	600A
General Information		
Max. efficiency	97.30%	97.50%
Protection degree	IP20	IP20
Noise emission	<75dB(A)@1m	<75dB(A)@1m
Operating temperature	-25°C~+55°C	-25°C~+55°C
Cooling method	Forced-air	Forced-air
Standby consumption	<100W	<100W
Relative humidity	0-95% non-condensing	0-95% non-condensing
Max. altitude	6000m(derate above 3000m)	6000m(derate above 3000m)
Dimension(W/H/D)	1400/1900/850mm	1400/1900/850mm
Weight	1460kg	1524kg
Build-in transformer	Yes	Yes
Build-in STS	Yes	Yes
Lightning protection	Type II	Type II
Transfer between on/off grid	Automatic≤10ms	Automatic≤10ms
Communication		
Display	Touch screen	Touch screen
Communication	RS485/CAN	RS485/CAN
Certificate		
CE		