

PCS250S/350S-US-480

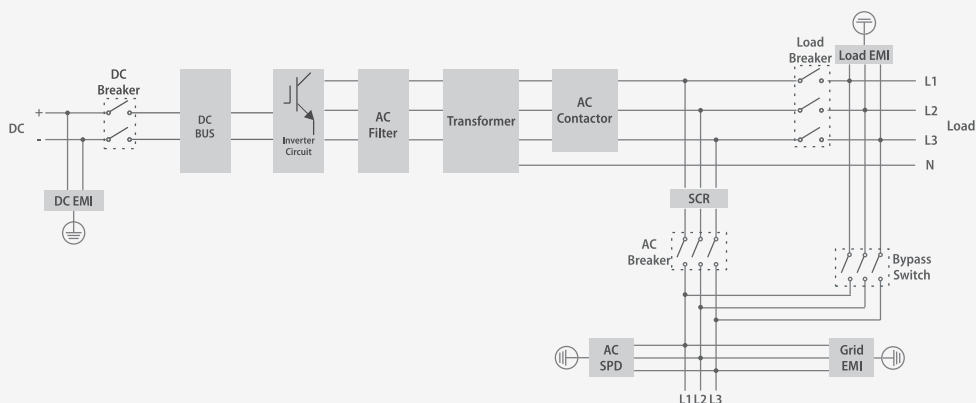
Bidirectional battery inverter from 250kW to 350kW with built-in STS function, can be used alone or with solar charge controllers and other accessories for different application scenarios. No need for extra bypass cabinet for grid/off-grid switch.

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-US-480**PCS350S-US-480****AC(on-grid)**

Apparent power	250KVA	350KVA
Rated power	250KW	350KW
Max.AC input	375KW	525KW
Rated voltage	480Vac	480Vac
Rated current	301A	421A
Voltage range	432V-528V	432V-528V
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
Max. rectified power	250KW	350KW

AC(off-grid)

Apparent power	250KVA	350KVA
Rated power	250KW	350KW
Rated voltage	480Vac	480Vac
Rated current	301A	421A
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
Max. rectified power	250KW	350KW

DC (Battery and PV)

Rated power	250KW	350KW
Current regulation	±1%	±1%
Voltage regulation	±1%	±1%
Voltage ripple	<3%	<3%
Current ripple	<2%	<2%
Voltage range	600V-900V(Actual configuration from 650V)	600V-900V(Actual configuration from 650V)
Max. charge/discharge power	275KW	358KW
Max. charge/discharge current	458A	641A

General Information

Max. efficiency	97.30%	97.50%
Protection degree	IP20	IP20
Noise emission	<65dB(A)@1m	<65dB(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	Manual(default), Automatic(optional) ≤10ms	Manual(default), Automatic(optional) ≤10ms

Communication

Display	Touch screen	Touch screen
Communication	RS485/CAN	RS485/CAN