

PCS250S/350S

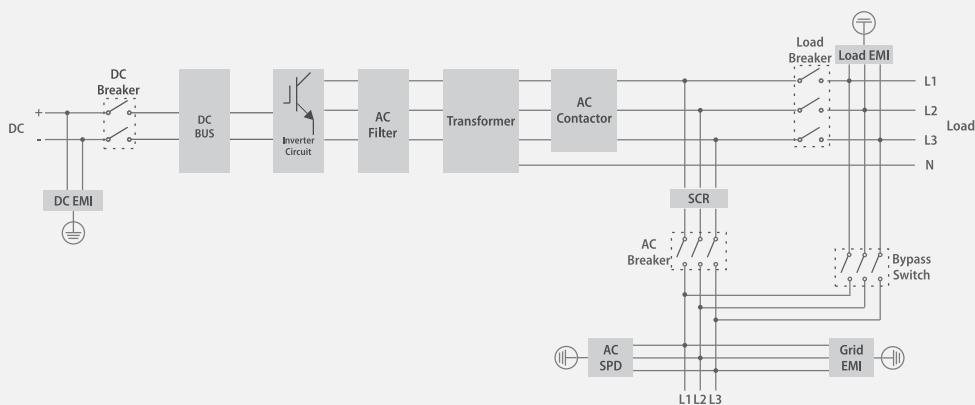
Bidirectional battery inverter from 250kW to 350kW with built-in STS function, can be used alone or with solar charge controllers and other accessories for different application scenarios. No need for extra bypass cabinet for grid/off-grid switch.

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 | <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 |

Certificate

CE