



Clean Power for You



**JUSTSTANDOUT SMART
STRING INVERTER**

JUSTSTANDOUT SMART STRING INVERTER



**Higher
yield**



**Safe &
reliable**



Smart



**User
friendly**

Higher Yields

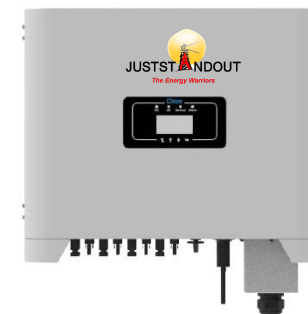
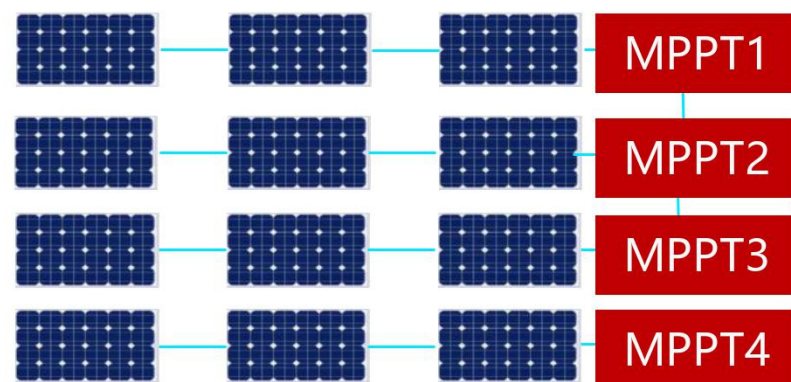
Occlusion shadow



Irregular Roof



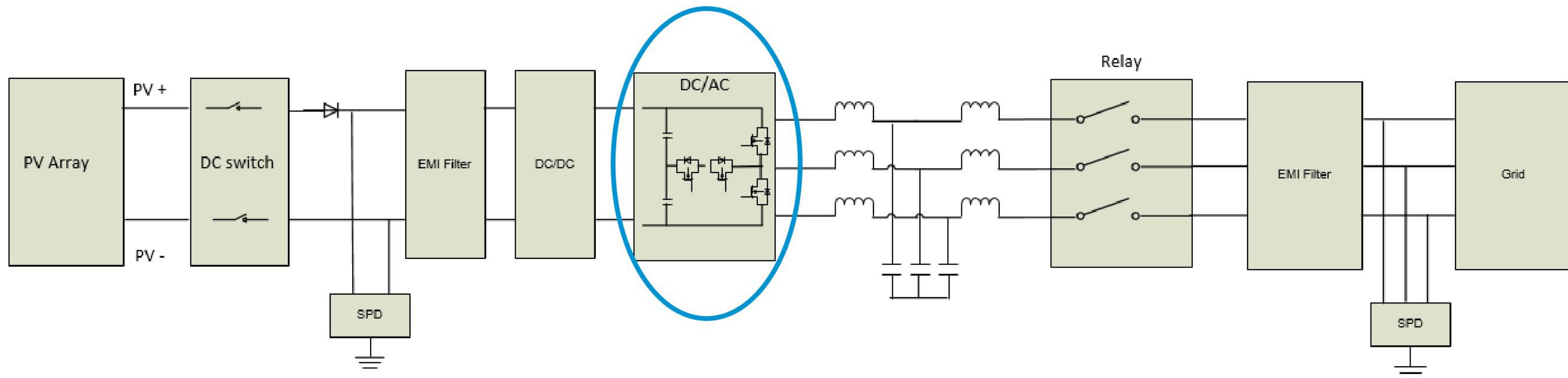
Hill Side



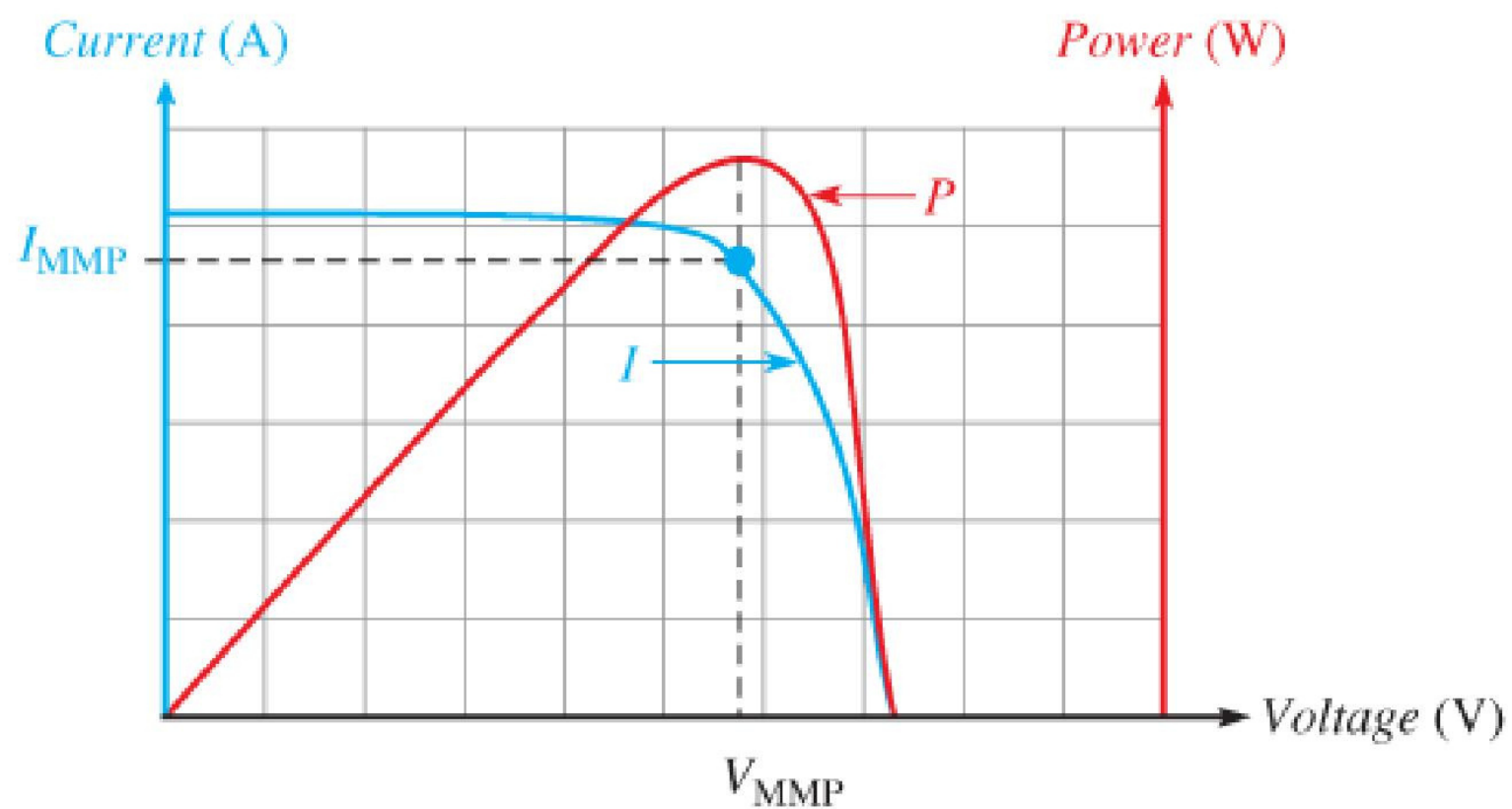
More MPPTs, flexible string configuration, more yields!

T-type three-level topology

- T-type three-level design, lower losses, fewer power semiconductor devices(diode), save space and improve reliability.



Advanced MPPT algorithm

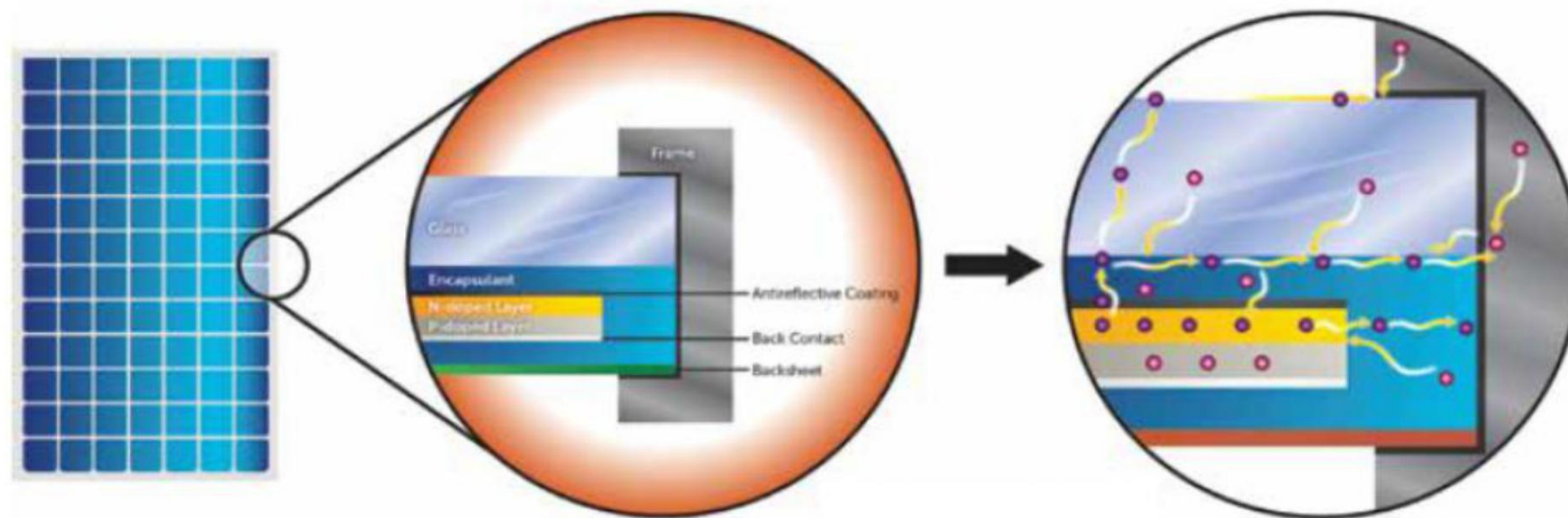


MPPT tracking curve

- More fast---adapt to light changes
- More accurate--- track solar panel maximum power points
- More stable---high static efficiency
- ✓ Maximum efficiency 98.9%
- ✓ European efficiency 98.3%
- ✓ Static MPPT efficiency $>99\%$

Potential induced degradation (PID)

PID impacts the ions of a solar cell and results in the degradation of the output of that cell, and Anti-PID is become necessary and important for solar system.



- Juststandout string series inverter, built-in anti-PID modular, is capable of automatically repairing module power loss cauded by PID effect

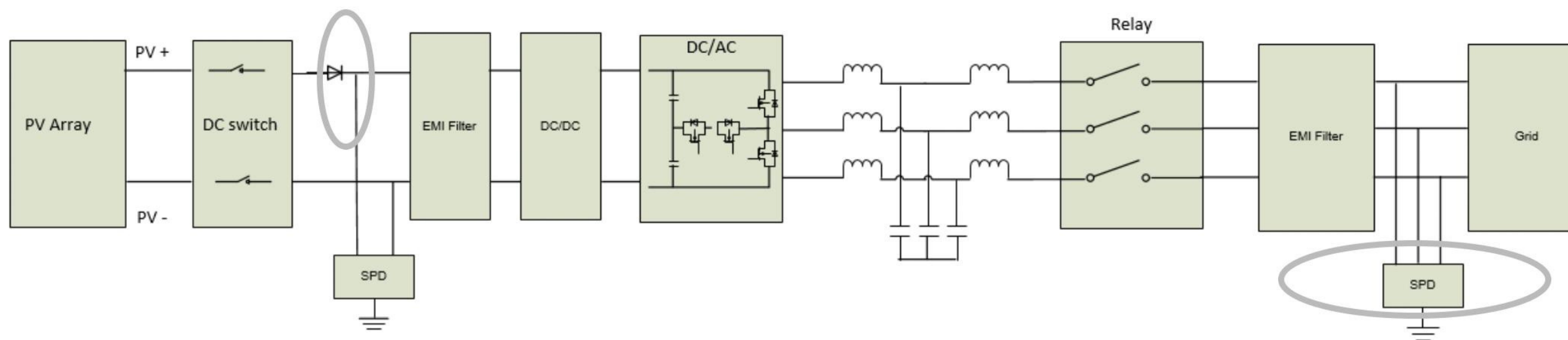
Comprehensive Protections



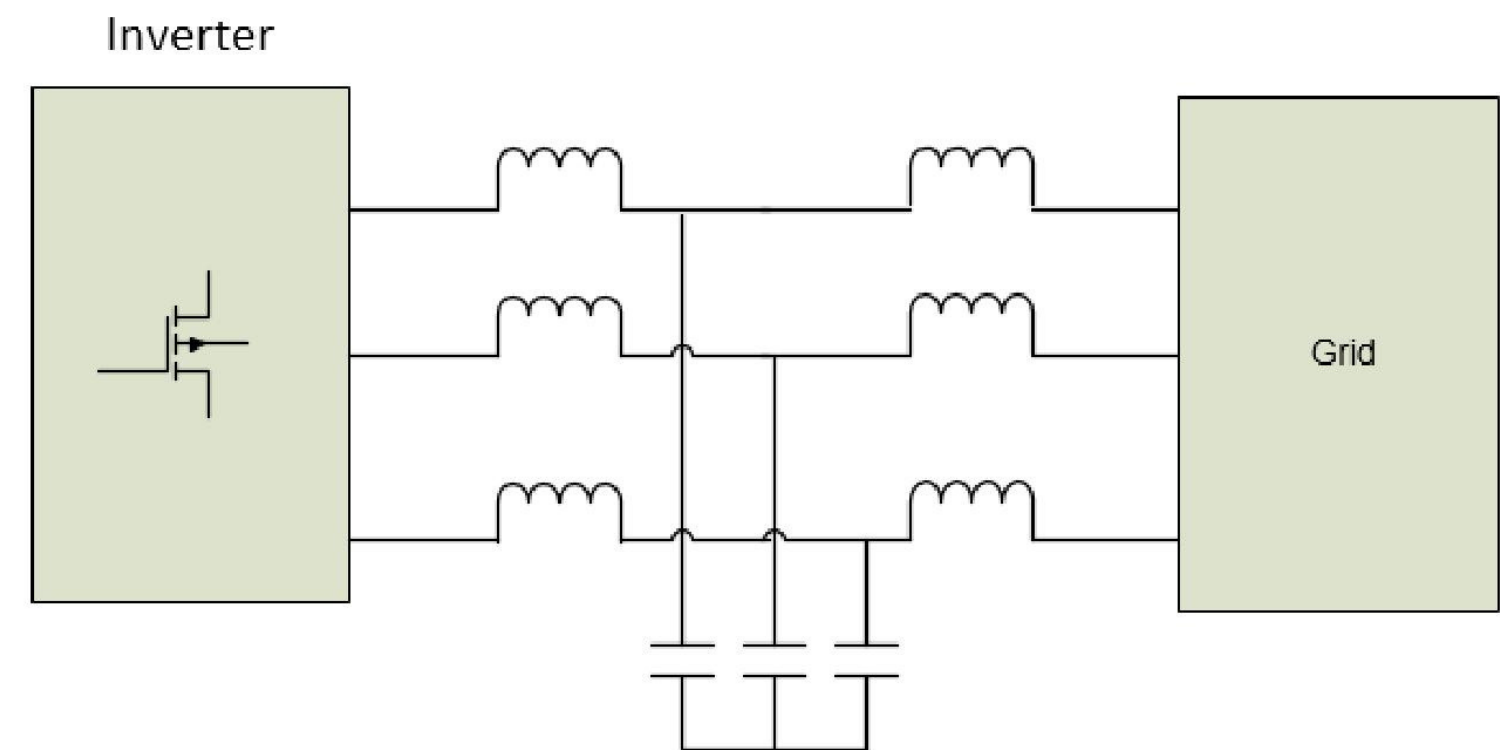
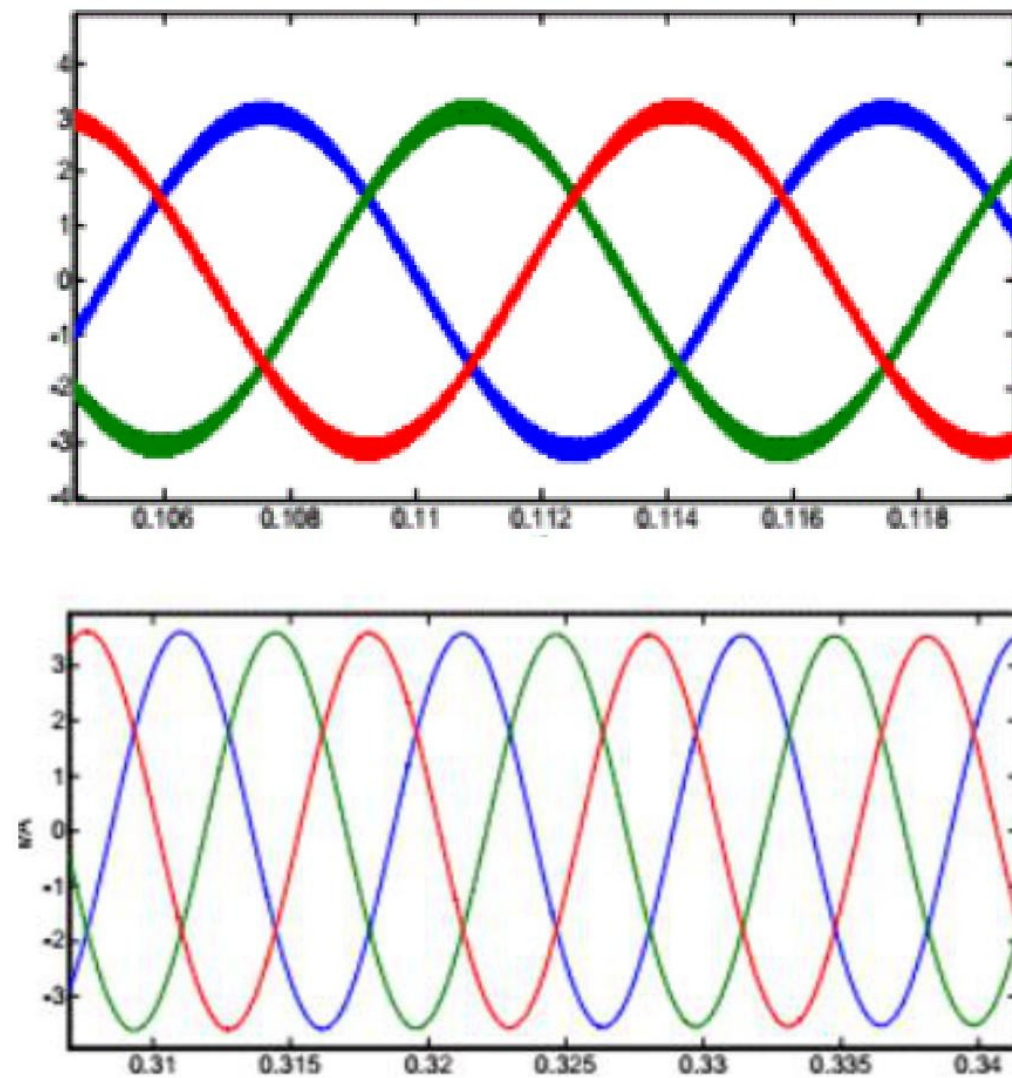
Lightning protection

Type II surge arresters for both DC and AC

- Islanding Protection
- Reverse-polarity protection
- Ground fault protection
- Insulation monitor protection
- Residual Current Detection (RCD) protection



Adopt LCL Filter Better Output Quality



Schematic of LCL filter

■ Lower harmonic content

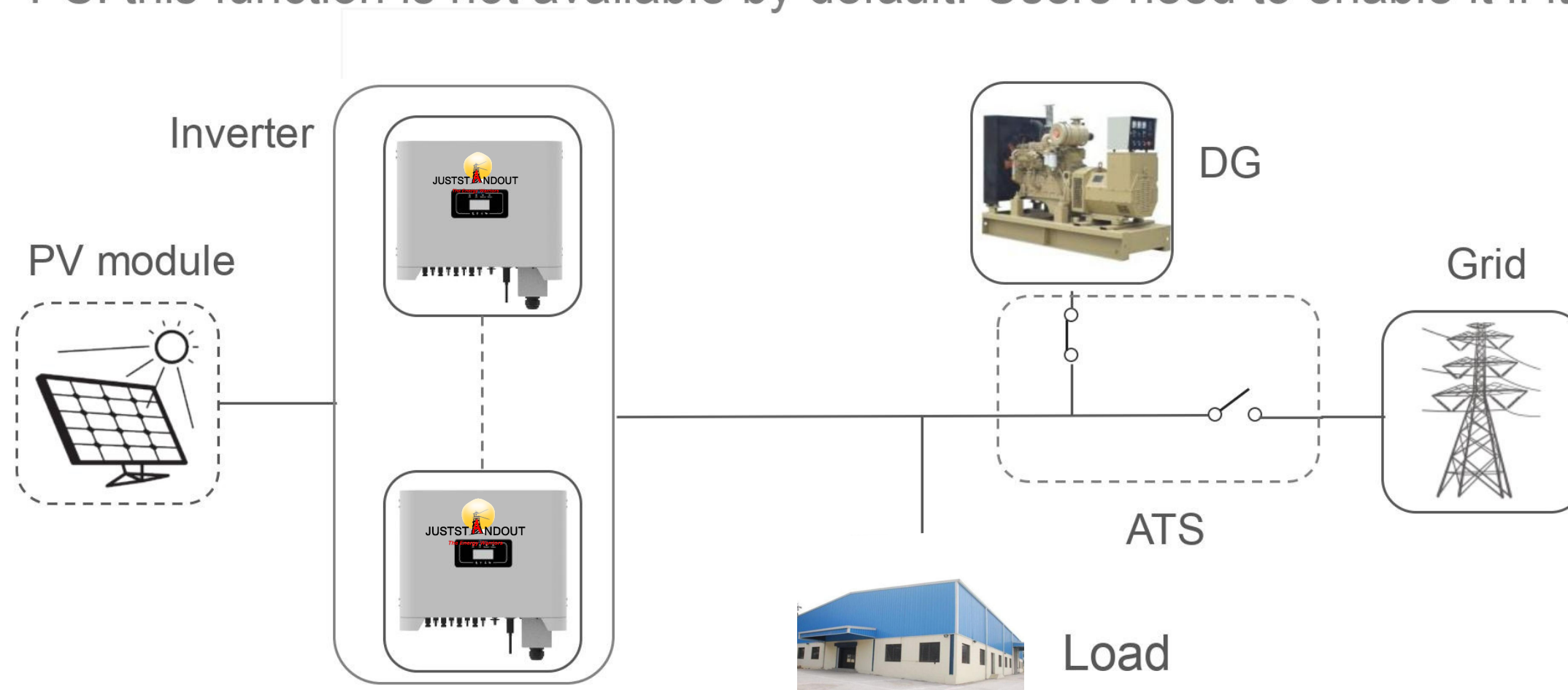
■ More stable

Support VSG function

- Support VSG function, Particularly suitable for area with unstable grid
- Wide output voltage range, maximum voltage of 277/460Vac, adapting to unstable grid.
- When the grid voltage distortion exceeds 7%, the harmonic distortion rate is less than 4%
- PF value is higher than 0.95 under 5% load and range from 0.8 leading to 0.8 lagging
- High power measurement accuracy. When the load power is below 2%, the measurement accuracy is still high.
- With good impact resistance, when high-power inductive equipment starts and stops, it will not cause inverter failure and shutdown.

Support VSG function (ii)

- When the utility grid cuts off, the inverter, able to work in parallel to increase total capacity, will work with DG together to power the load. ATS is provided by users.
- PS: this function is not available by default. Users need to enable it if it is needed.



Film capacitor

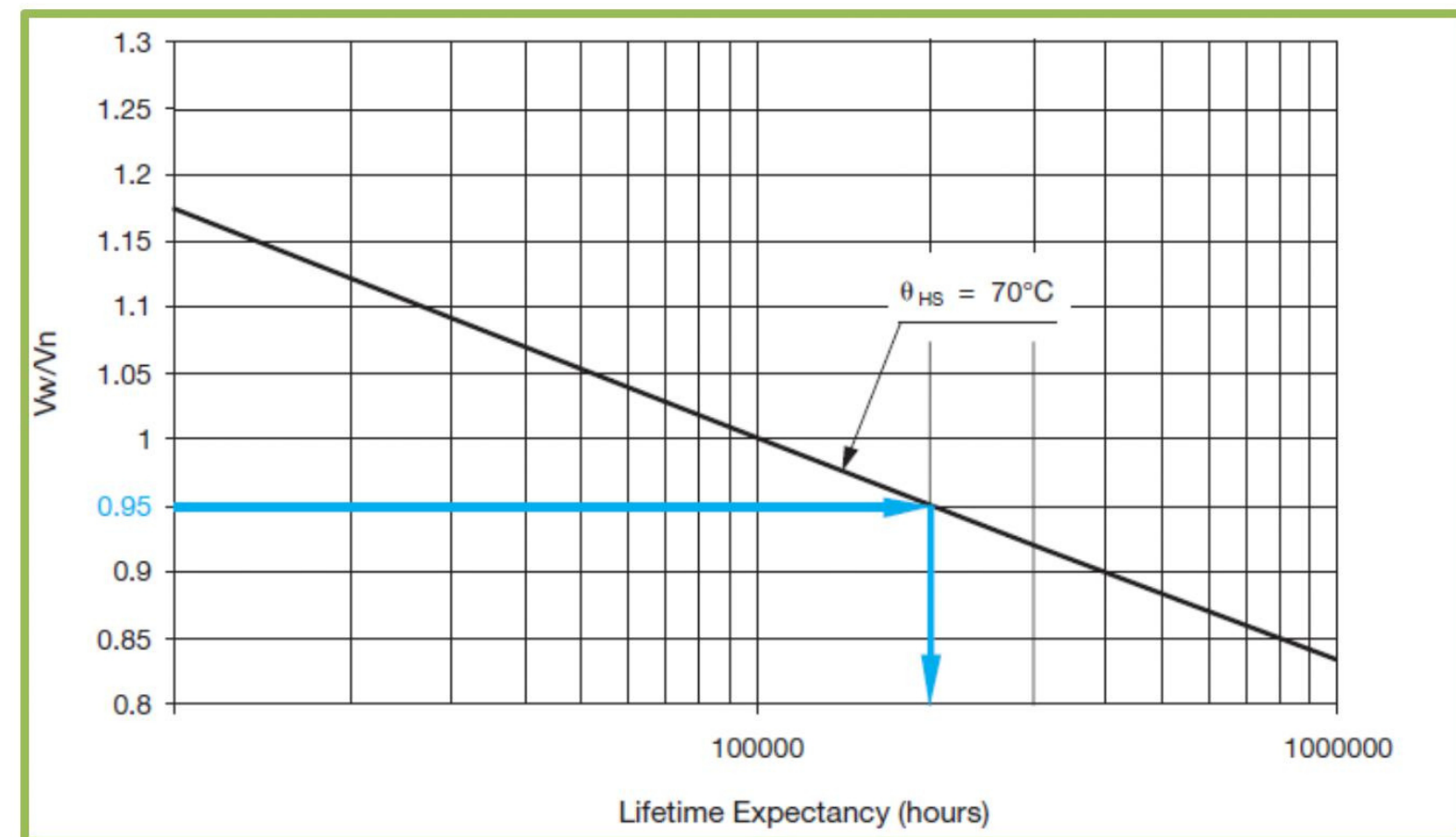
- Using film capacitor, over 200,000 hours lifetime, to serve as the main capacitor (Bus capacitor) , ensuring 25 years long life span of solar inverter.



Electrolytic capacitor

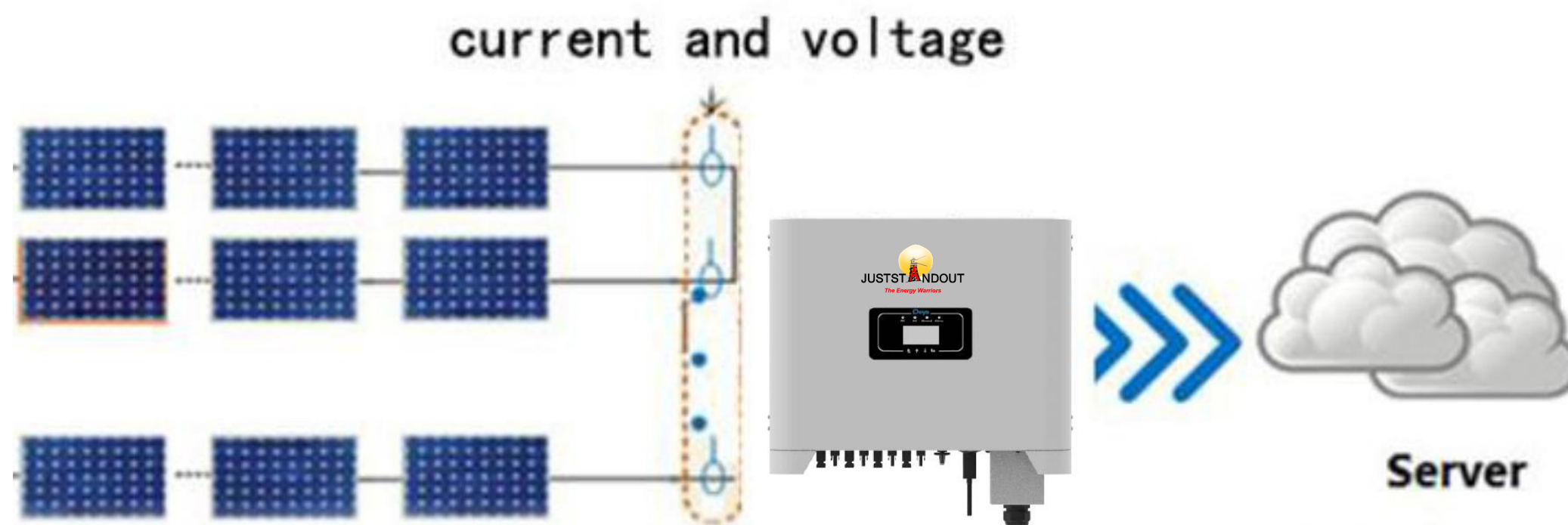


Thin-film capacitor

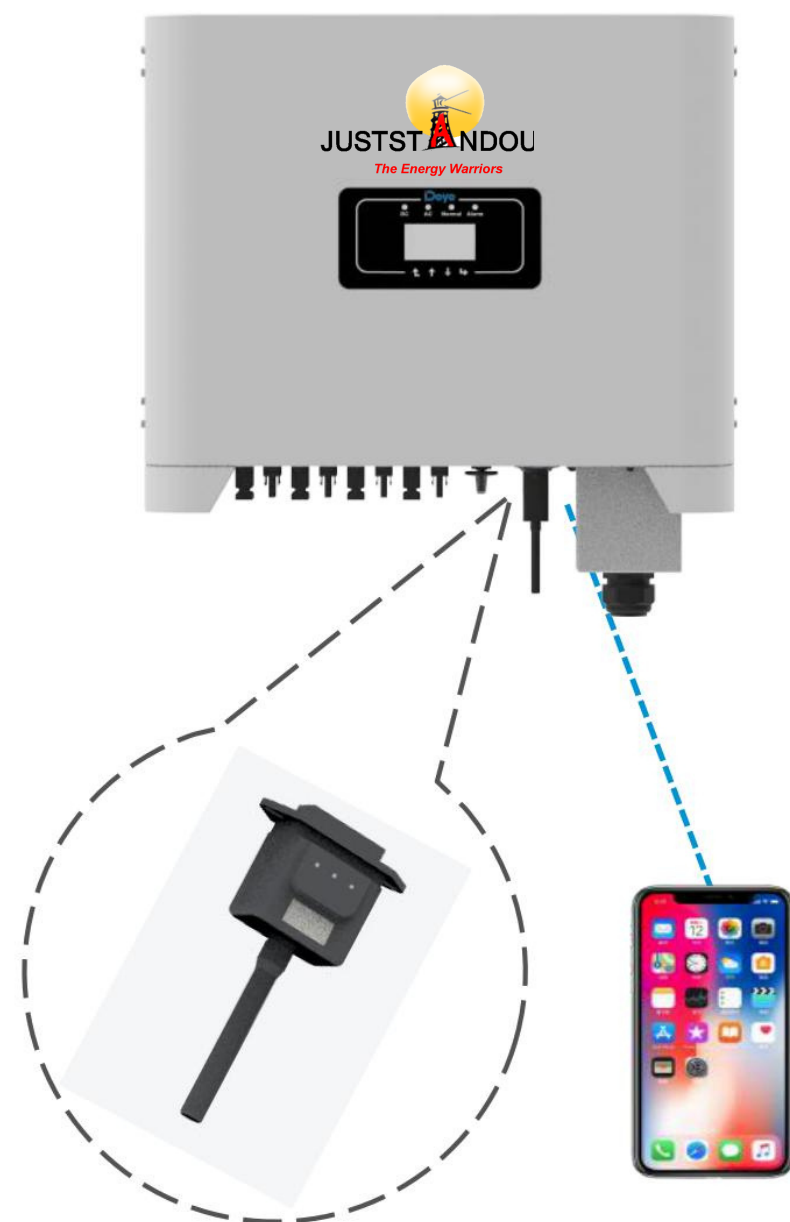


Intelligent String Monitoring (optional)

- Accurately monitoring 12 PV strings status such as string voltage, current, and the collected data will be uploaded to the server
- Fault detection e.g. string mismatch detecting, reverse polarity detecting
- Problems can be fast located and found. Maintenance efficiency is increased by 80%



Automatic Diagnosis

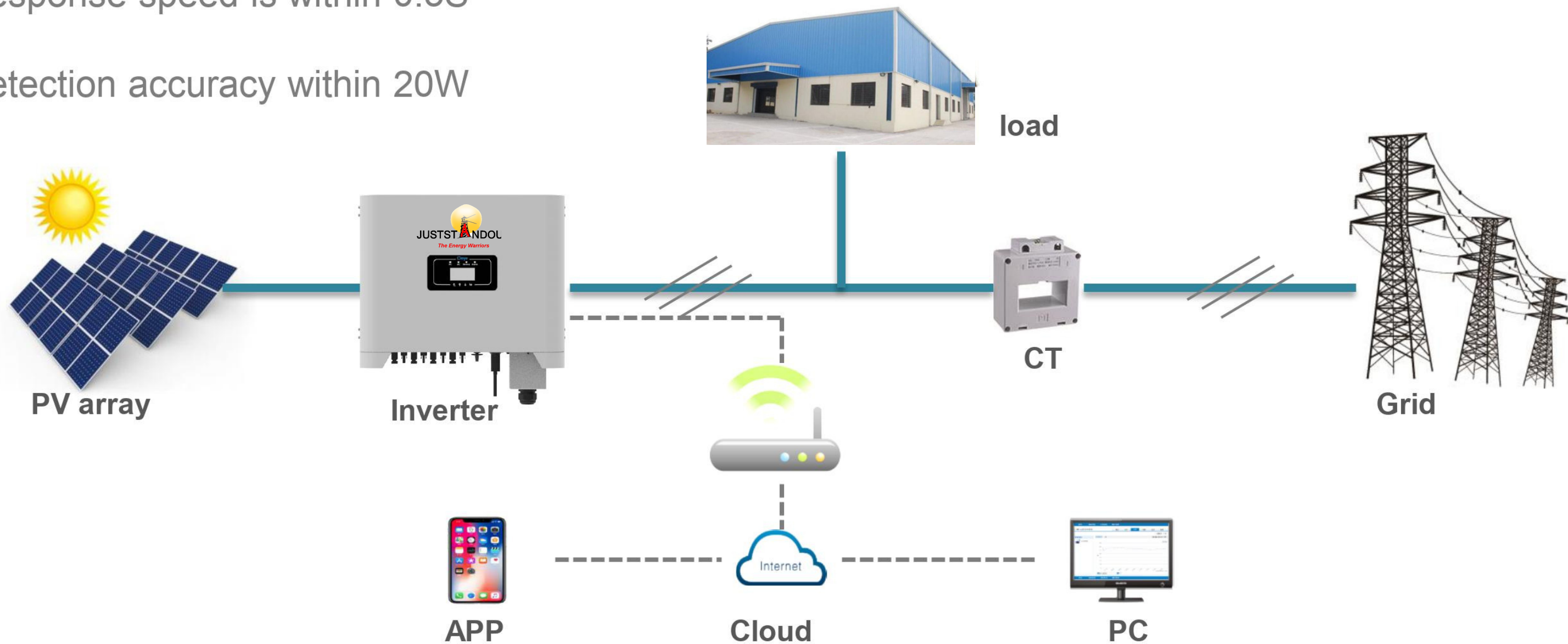


Built-in self-test program

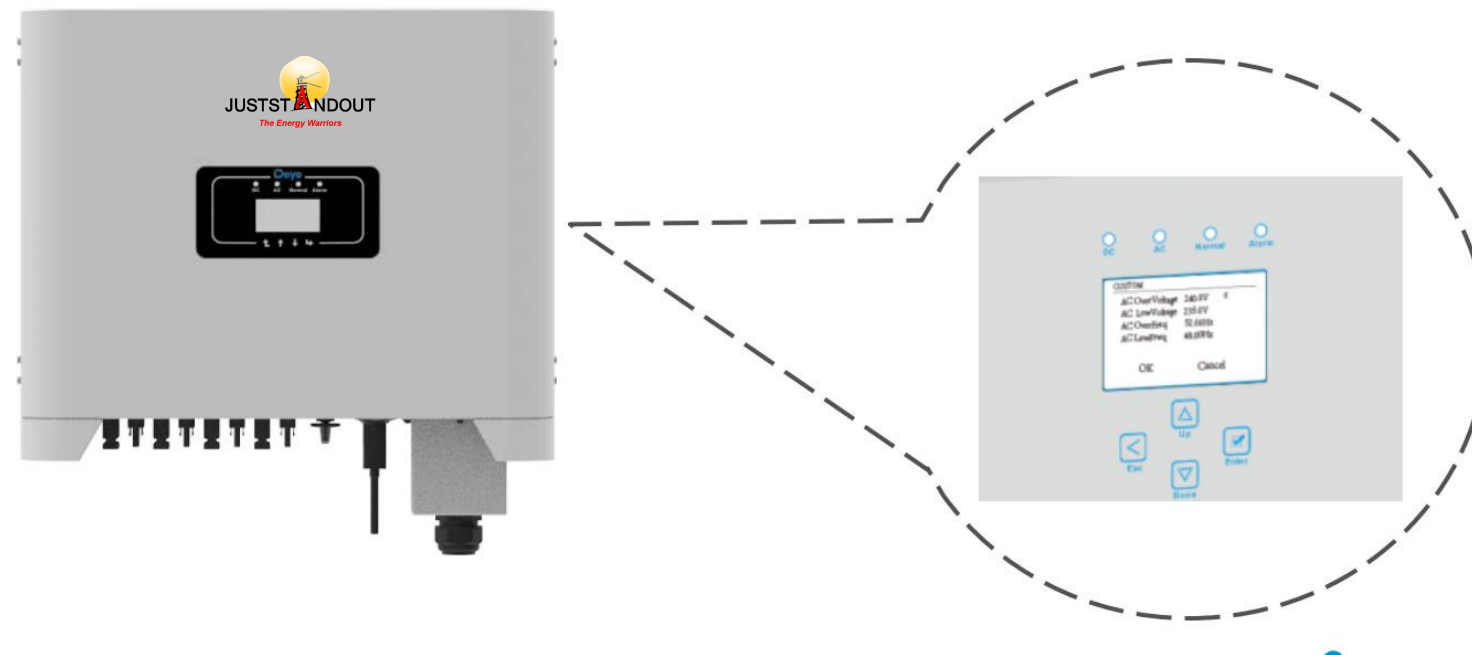
- several minutes quick diagnosis of overall system information after installation with just one click
- Show the error & fault code on the LCD
- Record recently Historical fault with waveform curve, easy to analysis
- Remotely set parameters and update firmware

Export output control--intelligent adjust output power according to condition with current sensor.

- Response speed is within 0.5S
- Detection accuracy within 20W

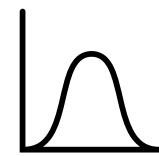


Local graphic LCD display with buttons



PV Status

ON: Normal
OFF: Abnormal



AC Status

ON: Normal
OFF: Abnormal



Work Status

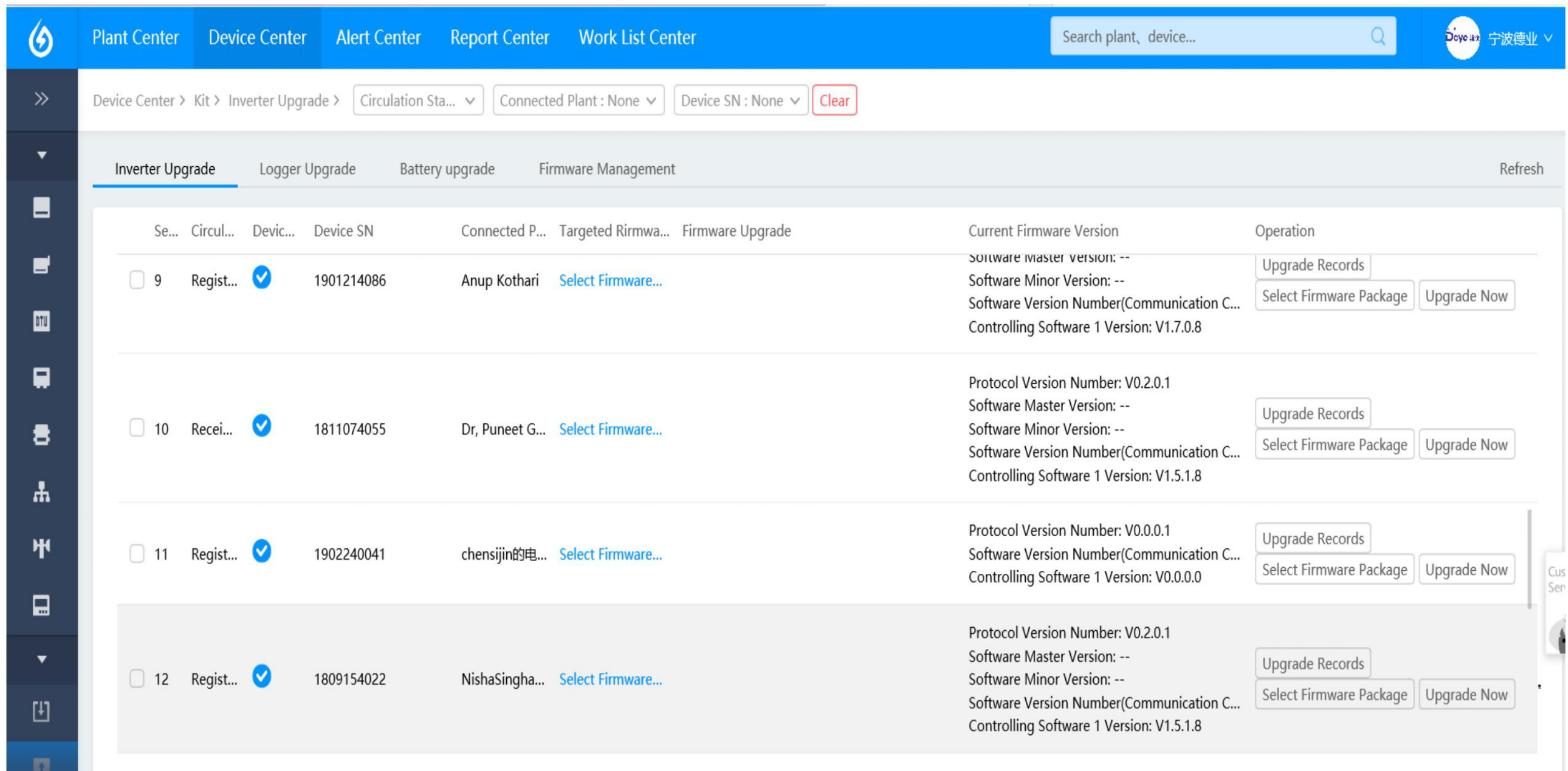
ON: Normal
OFF: Abnormal



Alarm

ON: Error
OFF: Normal

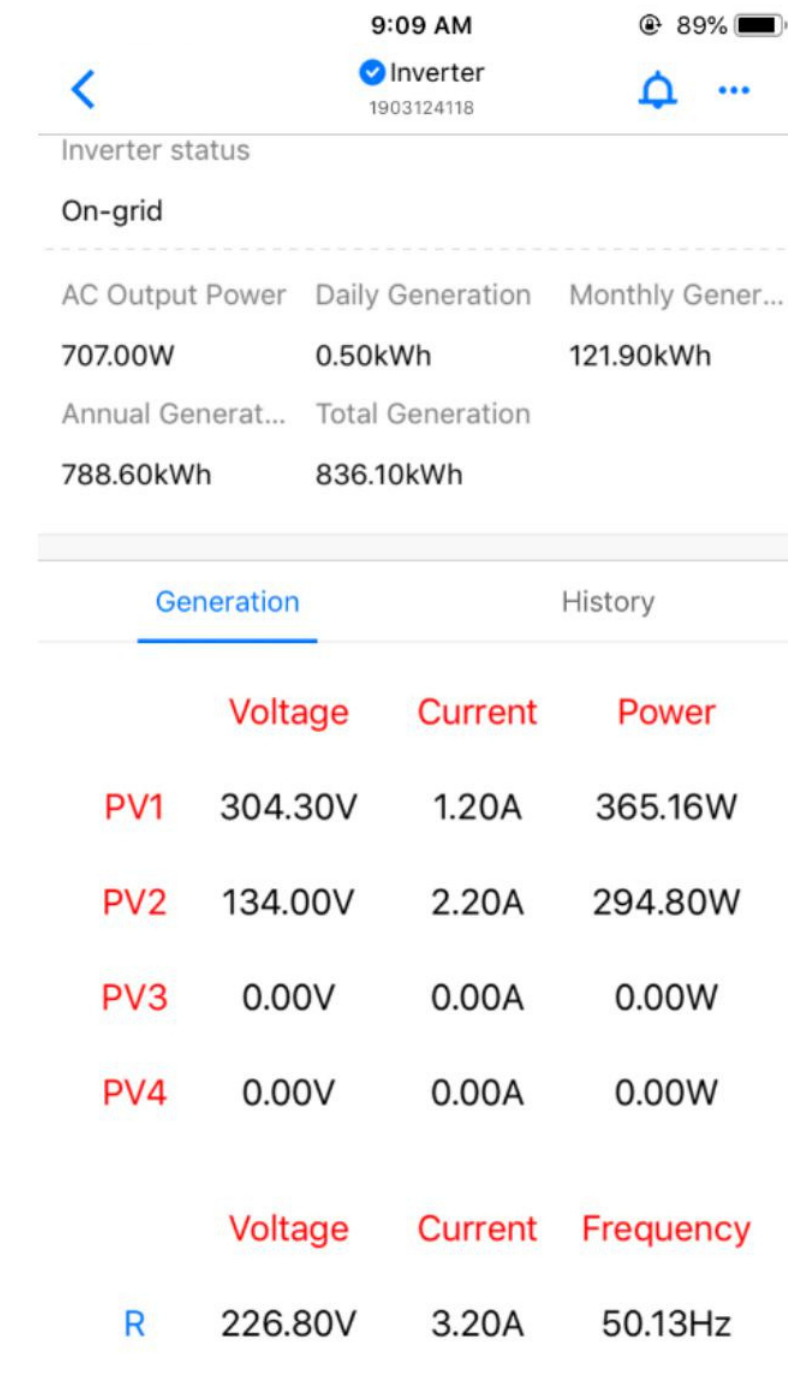
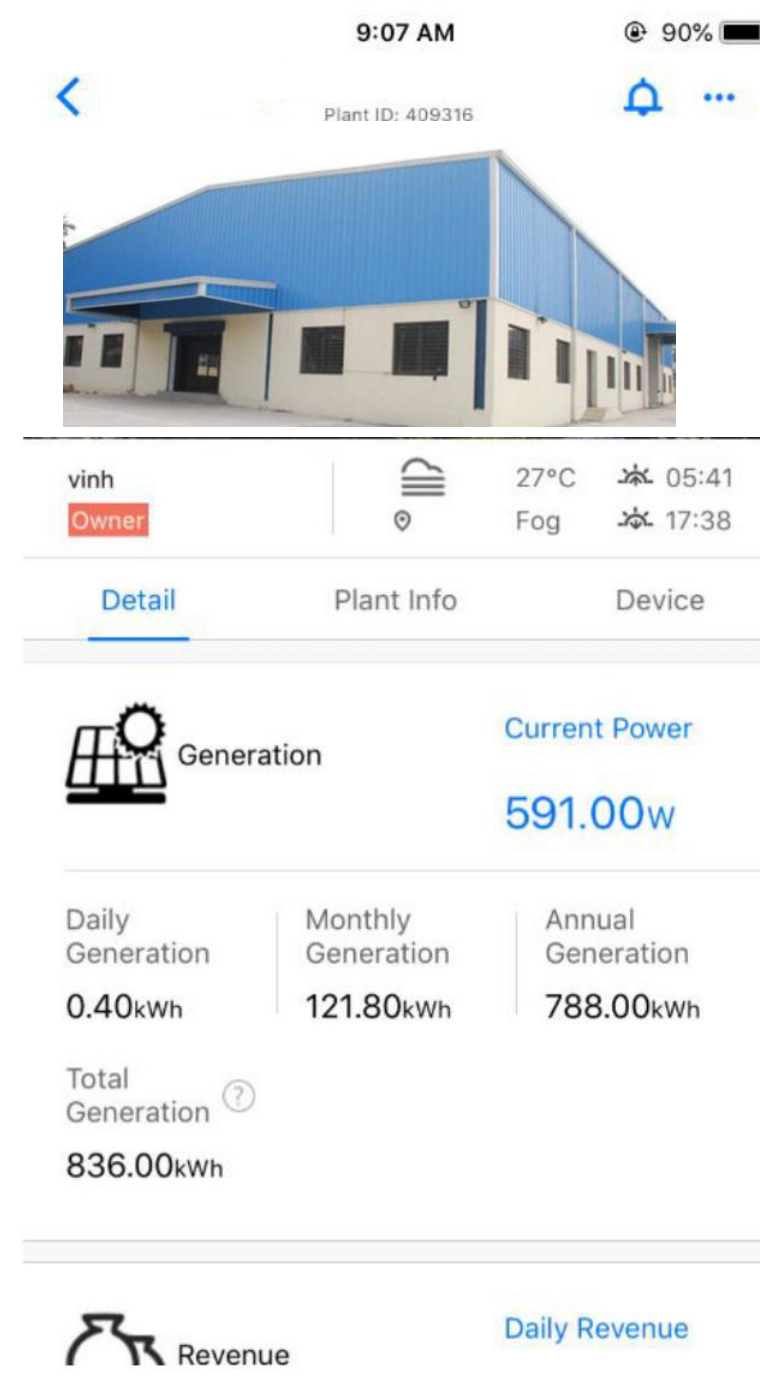
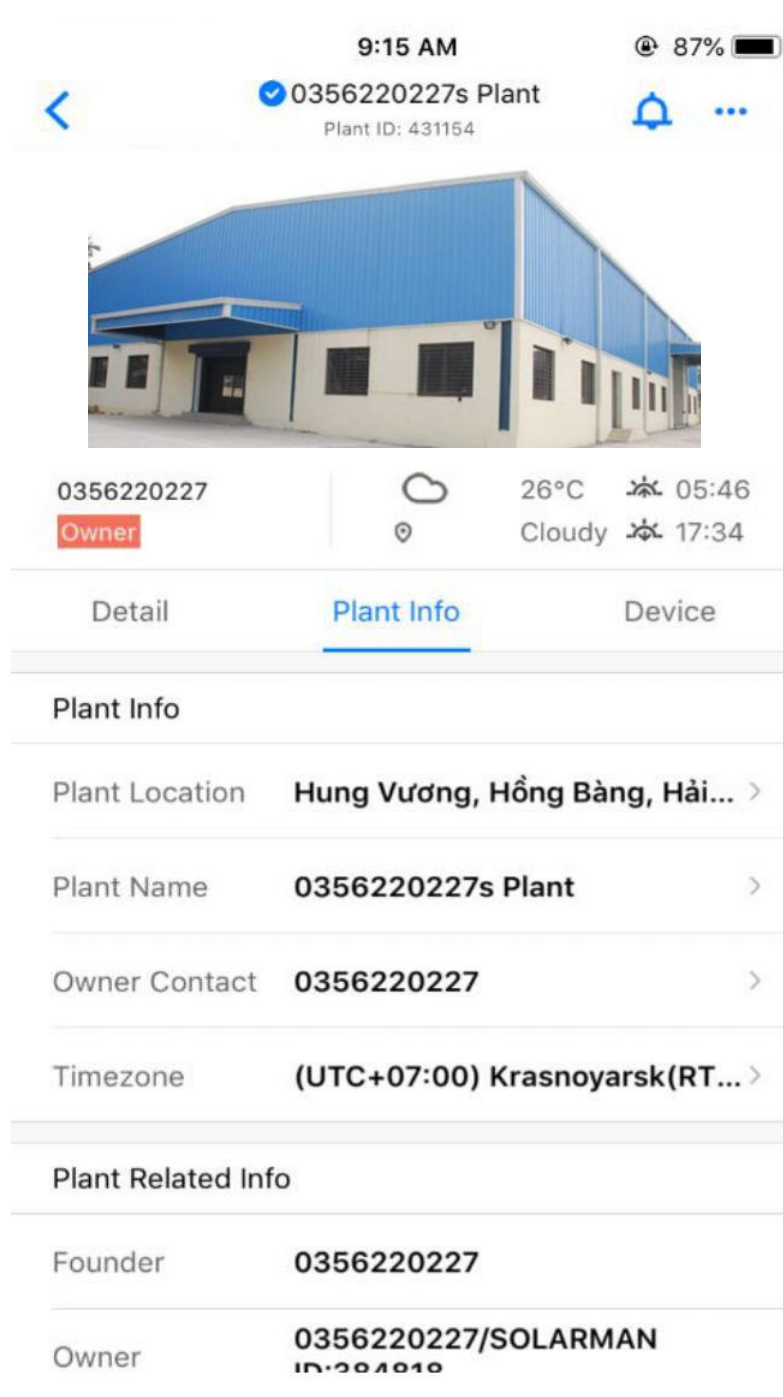
Remote maintenance, remote FW update, reduce cost of on-site service



The screenshot displays the 'Inverter Upgrade' section of the JUST STANDOUT web interface. The interface includes a navigation bar with 'Plant Center', 'Device Center', 'Alert Center', 'Report Center', and 'Work List Center'. A search bar is present for finding plants or devices. Below the navigation, there are filters for 'Circulation Sta...', 'Connected Plant: None', and 'Device SN: None', along with a 'Clear' button. The main content area shows a table of devices with columns for 'Se...', 'Circul...', 'Devic...', 'Device SN', 'Connected P...', 'Targeted Rirmwa...', 'Firmware Upgrade', 'Current Firmware Version', and 'Operation'. The table lists four devices (IDs 9, 10, 11, and 12) with their respective details and upgrade options.

Se...	Circul...	Devic...	Device SN	Connected P...	Targeted Rirmwa...	Firmware Upgrade	Current Firmware Version	Operation
<input type="checkbox"/> 9	Regist...	✓	1901214086	Anup Kothari	Select Firmware...		Software Master Version: -- Software Minor Version: -- Software Version Number(Communication C... Controlling Software 1 Version: V1.7.0.8	Upgrade Records Select Firmware Package Upgrade Now
<input type="checkbox"/> 10	Recei...	✓	1811074055	Dr, Puneet G...	Select Firmware...		Protocol Version Number: V0.2.0.1 Software Master Version: -- Software Minor Version: -- Software Version Number(Communication C... Controlling Software 1 Version: V1.5.1.8	Upgrade Records Select Firmware Package Upgrade Now
<input type="checkbox"/> 11	Regist...	✓	1902240041	chensijin的电...	Select Firmware...		Protocol Version Number: V0.0.0.1 Software Version Number(Communication C... Controlling Software 1 Version: V0.0.0.0	Upgrade Records Select Firmware Package Upgrade Now
<input type="checkbox"/> 12	Regist...	✓	1809154022	NishaSingha...	Select Firmware...		Protocol Version Number: V0.2.0.1 Software Master Version: -- Software Minor Version: -- Software Version Number(Communication C... Controlling Software 1 Version: V1.5.1.8	Upgrade Records Select Firmware Package Upgrade Now

- Mobile APP can display the power plant information such as plant location and name as well as operating parameters of inverter: DC voltage, DC current, DC Power, etc.



Thanks!
Let's continue to bridge the
#kilowattdivide while
reducing our carbon
footprint  .
#DSERA"

