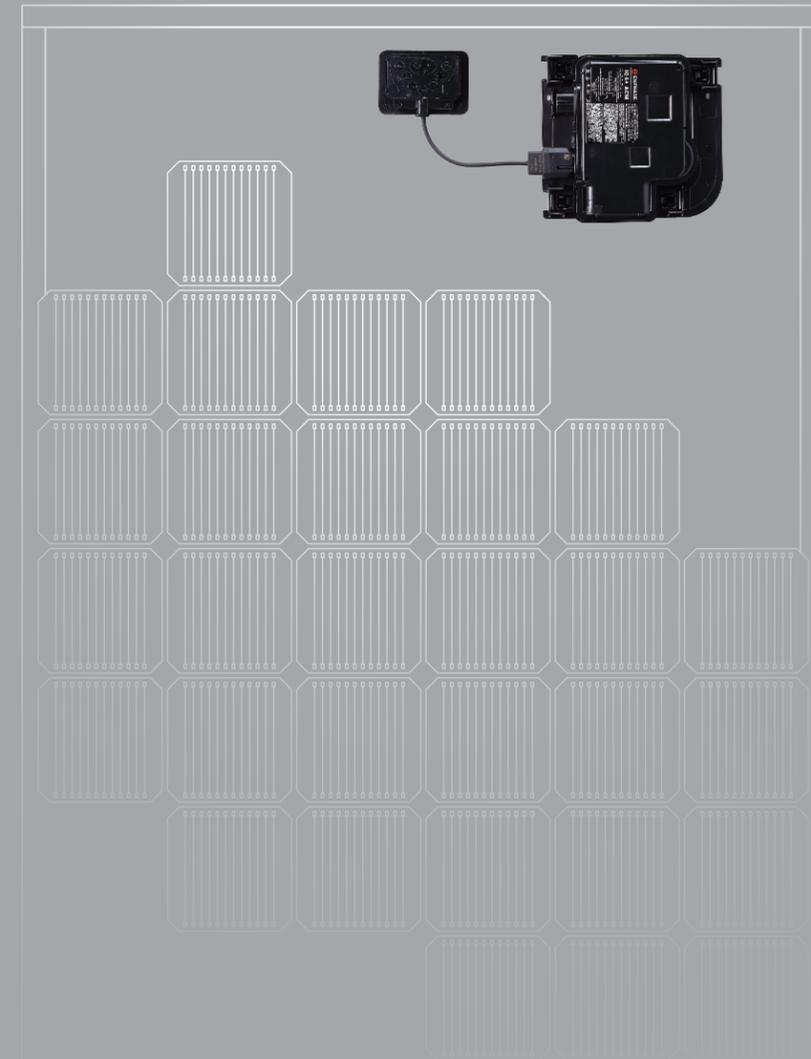


LG NeON[®] 2 Ace

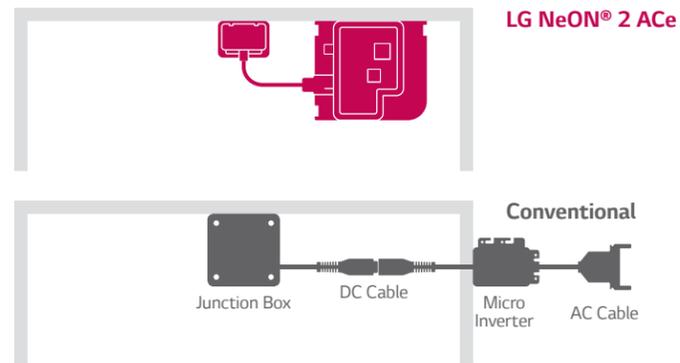


Cutting-area

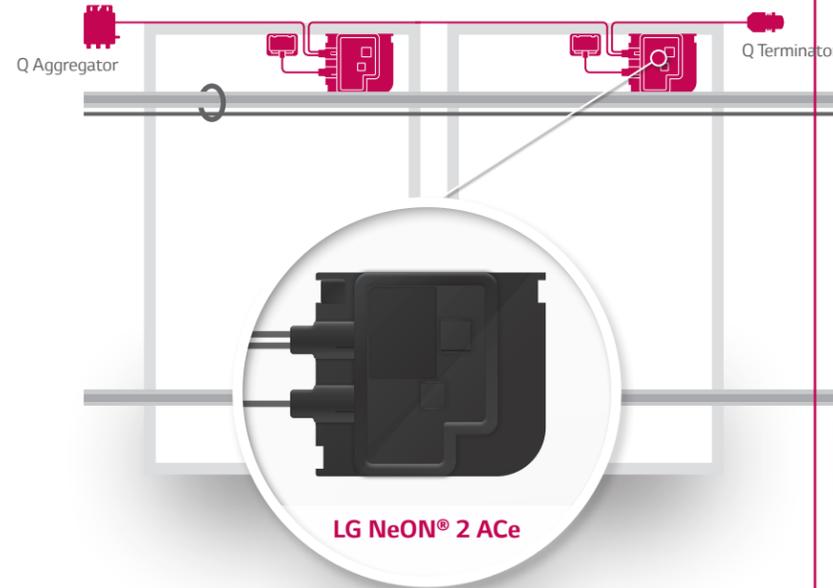
Simple Feature

Combines the module and inverter in a single unit

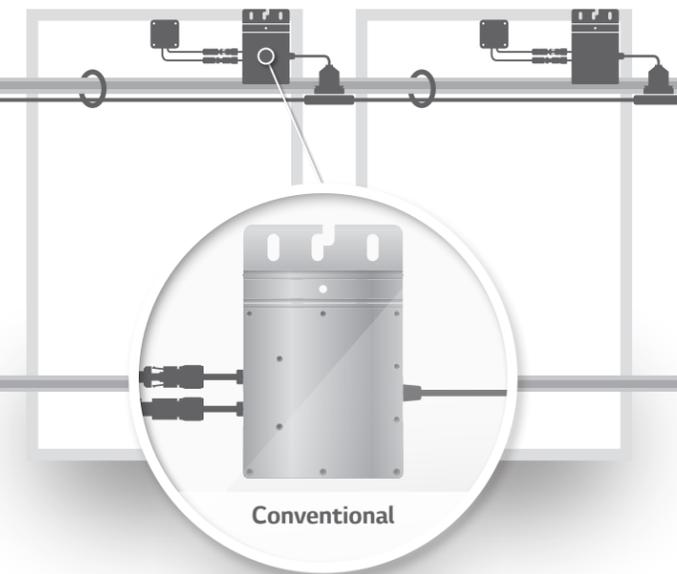
Unique appearance by combining the junction box and micro inverter.
Minimize installation time by reducing connecting work.
Easier installation as the DC connection and operation are tested during manufacturing.



Integrated Inverter Module System



Conventional Inverter Module System

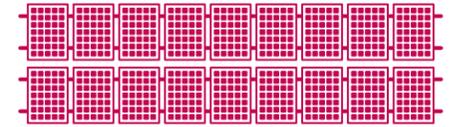


Fast Installation

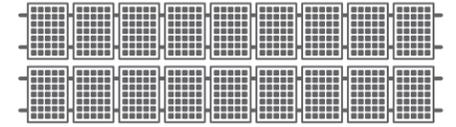
Simple installation process saves time for installation

No micro inverter mounting, No DC wiring, No AC trunk cable installation.

LG NeON® 2 ACe 00:33:54:00
(Installation time for 18 solar panels)



Conventional DC Optimizer System 01:16:53:00
(Installation time for 18 solar panels)

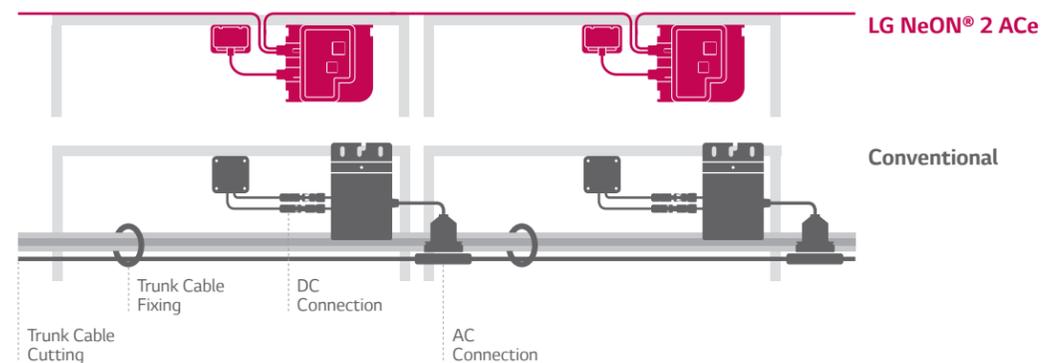


Base on LG internal comparison test result
(The installers featured in this video had no prior experience with the LG ACe module, nor are they employees of, or compensated by LG in any way.)

Simple Cabling Feature

Able to connect the AC modules without an additional trunk cable

Drastically reduced trunk cable related parts.
Improved trunk and DC cable work.
Minimizes complex cables on a roof.



Junction Box

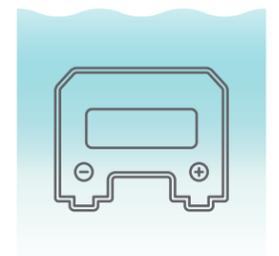
With IP* 68 Rating

In view of environment, water-proof capability of the junction box has been improved.

* IP: Ingress Protection



Solids 6
Dust tight. No ingress of dust.
Two to eight hours.

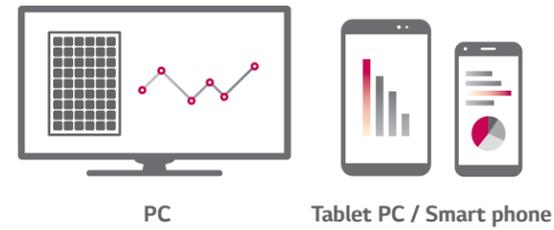


Water 8
Protection against the effects of immersion in water under pressure for long periods.

Web Monitoring

Provides advanced Web-based solution

Monitor power generation through the internet, anywhere and anytime.
Automatic problem diagnosis function.
LG offer stable environment for monitoring.

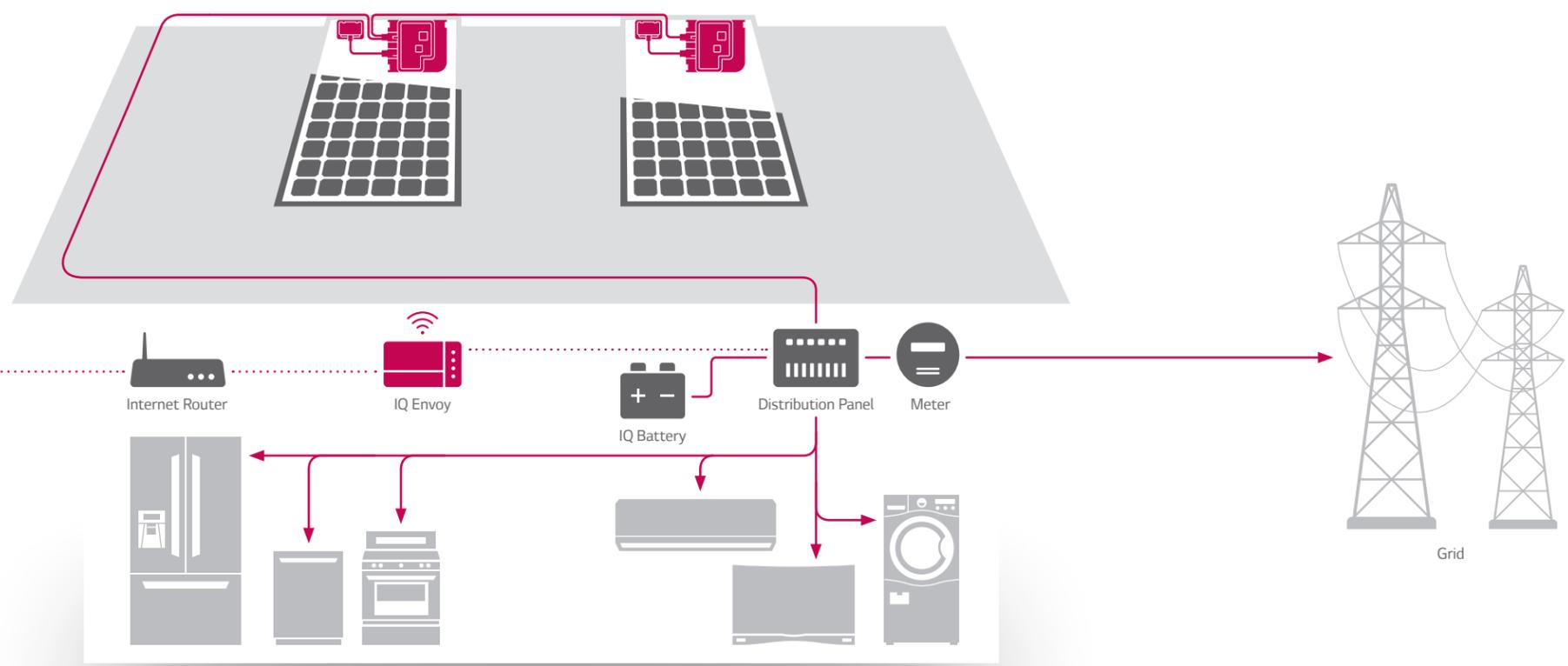


PC Tablet PC / Smart phone

Smart Home System

Power ———
Communication ·····

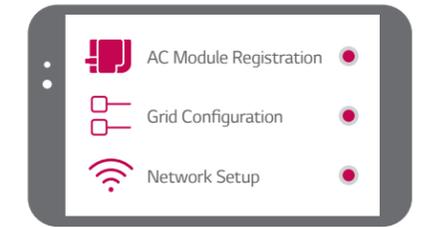
Sunlight



Easy Monitoring Setup

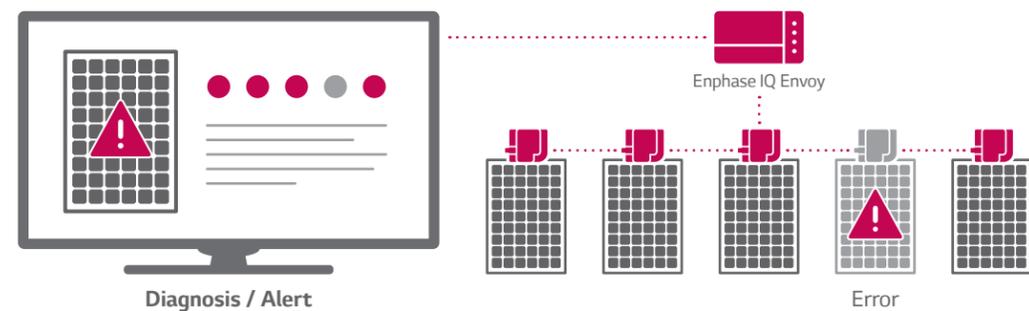
AC module registration, grid and network configuration

With LG AC Module mobile app, it's possible to set up all monitoring configuration steps.



Easy Troubleshooting

Problematic AC module is easily detected



Micro Inverter Plug and Play Installation

Automatically detects and registers AC module

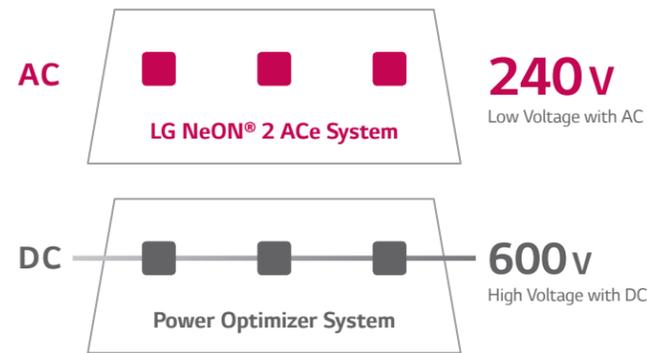
Gateway automatically detects and registers AC module through Broadband PLC line, once it is connected to powerline. Our automatic system provides easy and simple installation. Use the installer toolkit app to optimize the monitoring setup on your system.



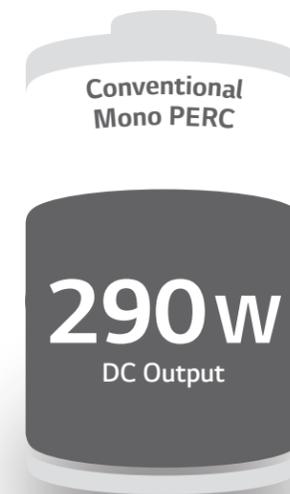
Smart Grid Ready

Innovative all AC design for safety enhancement and remote update capabilities

Safer system design built with Low AC Voltage.
Rapid shutdown compliant with NEC 2014/2017.
Rule 21(CA), Rule 14H(HI), UL 1741SA Compliant.



Max Performing Power Output



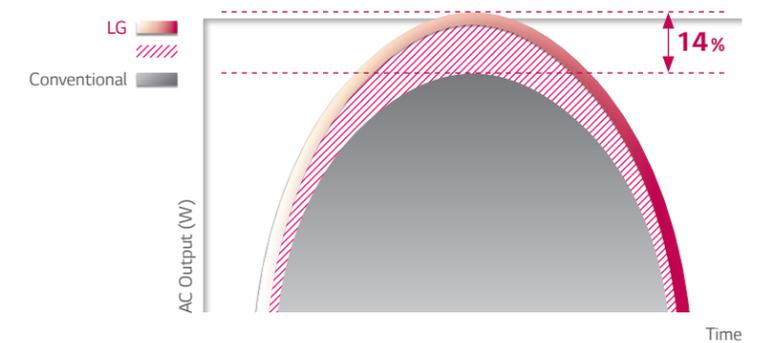
Max performing AC output micro inverter* efficiency level. Combined with LG's high output module to feature max performing AC output. More power generation per square foot.

*Single module connection micro inverter
**Max AC Output Power 290W

Optimized Design

Module design optimized for high output

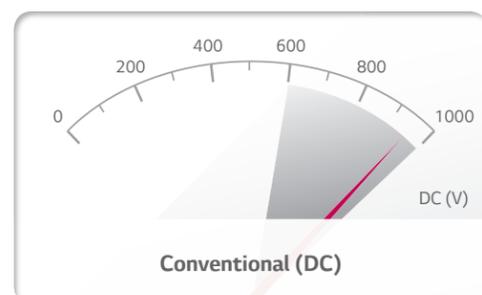
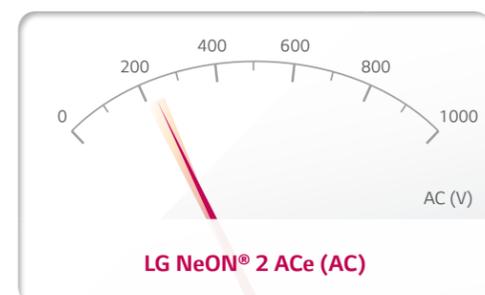
Inverter optimized for 330W module.
Maximizes efficiency and energy output by optimized module and inverter pairing.
Inverter design with consideration of suitable load.



Lower Voltage

Reduced risk of fire since the system uses low voltage and AC

No high voltage DC wiring with 600 or 1000 volts.
All AC wiring with 208 or 240 volts.



Quality Assurance

Our modules meet the most stringent requirements in the QA process

Any defective modules are carefully selected through rigorous inspection.

- Salt Mist Test
- Hail Impact Test
- Thermal Cycle / Damp Heat Test
- Robustness Test
- 100% EL Test (2 Times)
- Weather-Ometer Test
- Static and Dynamic Mechanical Load Test
- Outdoors Field Test