



SMA America Confirms 25-year Design Life for Sunny Highpower PEAK3 Inverters

The 25-year design life gives developers and owners the long-term security needed to realize the full potential of their plants

(ROCKLIN, Calif., January 19, 2022) – SMA America announced today in a formal manufacturer's declaration that it has confirmed a 25-year design life for the Sunny Highpower PEAK3 inverters.

The Sunny Highpower PEAK3's 25-year design life is the result of SMA's holistic 'Design for Reliability' product engineering approach, emphasizing optimization of design margins for critical components such as IGBTs to ensure maximum reliability and uptime. Furthermore, SMA's field-proven OptiCool™ thermal management technology reduces component stresses to ensure PEAK3 inverters will withstand the demanding mission profile and extreme operating conditions typical of large scale solar installations. The 25-year design life projection has been confirmed by rigorous design validation and reliability testing, including climate chamber testing, extensive field testing, and accelerated lifetime tests.

"This achievement is an example of our commitment to offering customers the highest quality in the industry," said Florian Bechtold, executive vice president business unit large scale with SMA Solar Technology AG. "The 25-year design life gives developers and owners the long-term security needed to realize the full potential of their plants."

The manufacturer's declaration can also be backstopped with an available 25-year warranty, which gives project developers and system owners additional investment security.

In conjunction with the extended design life, SMA has also made managing distributed systems easier. Customers can control larger plants with the ennexOS Data Manager M, which now allows monitoring and open loop control for up to 7.5 MVA of inverters per device. This means system designers and operators using the Sunny Highpower PEAK3 can manage larger plants using fewer communication devices while simplifying installation and reducing system costs.

Notably, for PEAK3 inverters installed with the ennexOS Data Manager and registered in SMA's ennexOS Sunny Portal monitoring platform, SMA offers Smart Connected proactive monitoring service, which further ensures maximum uptime through remote diagnostics and proactive resolution of service events.

The manufacturer's declaration including applicable models can be found at www.SMA-America.com. For more information about the Sunny Highpower PEAK3, [click here](#).



About SMA

As a leading global specialist in photovoltaic and storage system technology, the SMA Group is setting the standards today for the decentralized and renewable energy supply of tomorrow. SMA's portfolio contains a wide range of efficient PV and battery inverters, holistic system solutions for PV and battery-storage systems of all power classes, intelligent energy management systems and charging solutions for electric vehicles and power-to-gas applications. Digital energy services as well as extensive services up to and including operation and maintenance services for PV power plants round off SMA's range. SMA inverters with a total output of approximately 110 gigawatts have been installed in more than 190 countries worldwide. SMA's multi-award-winning technology is protected by approximately 1,700 patents and utility models. Since 2008, the Group's parent company, SMA Solar Technology AG, has been listed on the Prime Standard of the Frankfurt Stock Exchange (S92) and is listed on the TecDAX index.

Media Contacts

Trish Moratto • Trish.Moratto@SMA-America.com

Brad Dore • Brad.Dore@SMA-America.com

SMA America • 916 251 6418

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