SMA ENERGY SYSTEM BUSINESS

Sunny Tripower CORE1

It stands on its own

SUNNY TRIPOWER CORE1 STANDS FOR COMMERCIAL SOLAR

A global solution optimized for all commercial applications

1

SCALABILITY WITH MAXIMUM ENERGY HARVEST
Multiple 1,000 VDC power classes provide the ideal building blocks with scalability up to the MW range, and versatility for any commercial PV system challenge, including repowering legacy 600 VDC systems. ShadeFix, SMA's proprietary shade management technology, produces more energy than traditional optimizers.

SMA ShadeFix
STRING LEVEL OPTIMIZATION

2

HIGHLY INTEGRATED
The compact yet fully integrated design allows integrators to save logistical, labor and material costs. Along with 12 direct string inputs, the CORE1 also includes DC and AC disconnects as well as optional DC and AC surge protection.

3

COST EFFECTIVE
The CORE1 needs no racking on roof-mount systems and very minimal, highly simplified racking in other commercial applications. This results in additional cost savings due to the reduction in field labor, time and materials.

Sunny Tripower CORE1 is the world's first standing PV inverter for commercial rooftops, carports and ground-mount solar projects. The innovative new design offers up to 60% faster installation while delivering optimized total cost of ownership.

4

FUTURE-PROOF CONNECTIVITY
In combination with the Sunny Portal powered by the award-winning ennexOS, the Data Manager M optimizes communication, monitoring and control of PV systems. It is both easily expandable and well equipped to address the energy trading business models of the future, opening new revenue streams for system owners.

ennexOS
CROSS SECTOR ENERGY MANAGEMENT

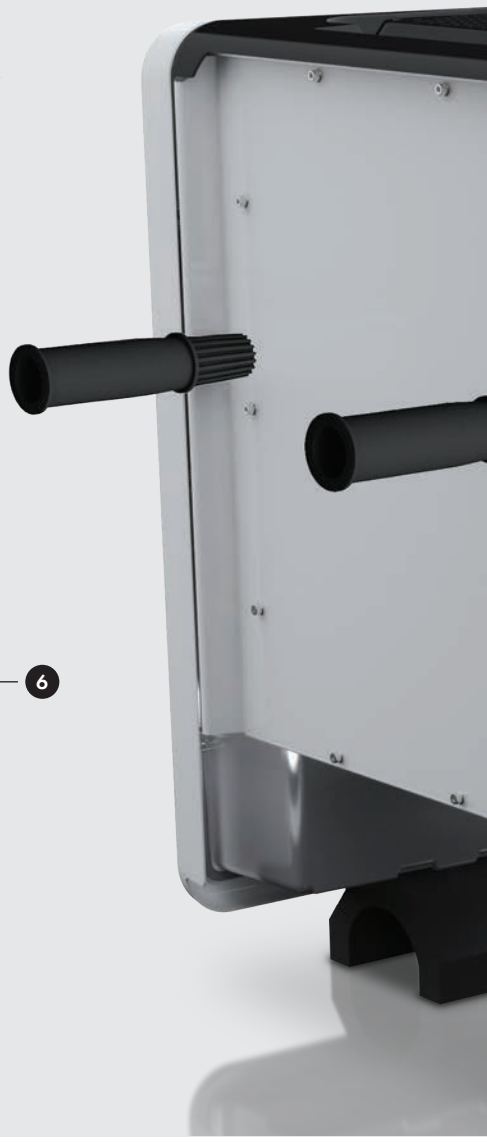
5

UNMATCHED SYSTEM VISIBILITY
SMA's intelligent IV curve diagnostic tests the health of the inverter's strings during critical stages in the plant lifecycle and easily produces reports to relevant stakeholders. Advanced string monitoring benchmarks granular power production data to ensure optimal system performance.

6

BEST-IN-CLASS SAFETY
Integrated SunSpec PLC (power line communication) signal communicates with SunSpec certified rapid shutdown devices for simple compliance to 2017 NEC. Next-gen DC AFCI arc-fault protection certified to new Standard UL 1699B.

Rapid Shutdown
CERTIFIED



COMPACT POWER FOR COMMERCIAL ROOFTOPS, CARPORTS AND GROUND-MOUNT PROJECTS

Sunny Tripower CORE1.
The superior way to get your projects up and running

As the third generation of SMA's industry-leading Sunny Tripower product line, the CORE1 revolutionizes the commercial inverter category. Its innovative engineering approach is built on a foundation that includes a groundbreaking form factor and inventive mounting method whose goals are to speed installation and achieve the most economical return on investment for all parties involved.

Whether it's a rooftop, carport, MW scale ground-mount or repowering legacy 600 VDC system, the CORE1 is the most versatile, cost-effective commercial solution available. From distribution to construction to operation, the Sunny Tripower CORE1 enables logistical, material, labor and service cost reductions.

SUNNY TRIPOWER CORE1 FOR DISTRIBUTORS

Product ordering, stocking and logistics have all been simplified thanks to the CORE1's maximum level of integration. Additional cost savings are achieved with:

- **One product for various commercial applications**
- **Global platform for universal deployment**
- **Reduced part numbers and balance-of-system components**
- **Unmatched support and service**

SUNNY TRIPOWER CORE1 FOR EPCS AND DEVELOPERS

Procurement, installation and field labor costs must be reduced to maintain margins, so that's precisely what's driven the development of the CORE1. Benefit from:

- **Reduced material costs**
- **SunSpec PLC compatibility**
- **Accelerated installation and decreased labor**
- **Options for repowering**

SUNNY TRIPOWER CORE1 FOR SYSTEM OWNERS

SMA understands that lifetime cost of ownership and uninterrupted performance are paramount among system owners. That's why the CORE1 delivers:

- **Maximum energy production thanks to ShadeFix optimization**
- **Proactive O&M solution with SMA Smart Connected**
- **Intelligent grid management**
- **24/7 remote monitoring from the world's #1 service team**

The CORE1 is the most versatile solution with maximum return on investment

WHAT IS SMART CONNECTED?

Powered by the award-winning ennexOS, SMA Smart Connected is a proactive O&M solution that can cut truck rolls in half and save up to $6 million in service costs across the lifetime of a 100 MW portfolio.

1. Time and labor savings

Installers benefit from this proactive, streamlined service solution in a variety of ways.

a. SMA will actively monitor the system at all times, so the installer can focus on other tasks

b. SMA Smart Connected can automatically initiate the repair or replacement process, circumventing calls from system owners that can sap productivity and threaten referral business

2. Increase productivity and profit

SMA Smart Connected can positively affect an installer's bottom line well after installation and throughout the lifetime of the system.

a. Truck rolls can be cut in half, allowing more time for revenue-generating activity including business development and new installations

b. Satisfied customers who receive proactive service solutions are far more likely to generate referral business

3. Maximum power production

System owners benefit from fast resolution, hassle-free repair and SMA's track record of reliability.

a. SMA Smart Connected can notify an installer of any service needs often before the system owner even notices an interruption in energy production

b. If needed, seamless repair or replacement of the inverter is completed without the need to coordinate multiple installer visits

4. Investment security

SMA stands alone in providing the highest level of service for both installers and system owners, and has the stats to prove it.

a. SMA is the largest, most experienced PV service provider with 40+ years of experience and 100+ GW in operation worldwide

b. SMA has been voted #1 by IHS Research in terms of most preferred service and warranty support

ennexOS
CROSS SECTOR ENERGY MANAGEMENT

THE smarter E award 2018 winner

SUNNY TRIPOWER CORE1
IT STANDS ON ITS OWN

Innovative design for the most economical solution

inter solar award 2017 WINNER

SUNNY TRIPOWER
CORE1

Dimensions: 621 mm / 733 mm / 569 mm (24.4 in x 28.8 in x 22.4 in)
Weight: 84 kg (185 lbs)

Rapid Shutdown CERTIFIED

ENERGY
THAT
CHANGES

SMA

SOCIAL MEDIA

www.SMA-America.com/Newsroom

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