



THE STRING INVERTER  
DESIGNED FOR POWER SYSTEMS UP TO 1500 V

# **Ampner ACE™ 300**

# Ampner ACE™ 300 technology highlights

As the PV utility industry is shifting from 1000 V systems to 1500 V, the Ampner ACE™ 300 is future-ready, being designed from the ground up for all 1500 V PV module technologies and for use in power plants of 1 MW or higher.

The ACE 300 comes in two versions, PV for solar applications and ES for energy storage applications. Perfect for combining into a hybrid PV/ES solution!

## Suitable for all types of modules

Plus hybrid PV/ES  
solution

## Designed for utility-scale plants

Optimized for high yield  
at lower levelized cost of  
energy (LCoE)

## Transformerless

Higher efficiency,  
lower weight  
and lower cost

## Extreme altitude range

Operation range from  
sea level up to 4000 m  
(13,000 ft) without voltage  
derating

## Robust aluminum design with IP65/NEMA 4

Withstands extreme tempera-  
tures (-40°C to +60°C, -40°F to  
+140°F), humidity, dust and salt  
spray for use in all climate con-  
ditions from coastal regions  
to mountains

## Four power variants

For utility installations,  
with 261–333 kW  
maximum power

## World leading power density

In two small packages,  
weighing only 110 kg  
(242 lbs) and 40 kg (88 lbs),  
transportable by van  
instead of truck

## Multiple DC inputs

Up to 48 strings, or up  
to four combiner boxes  
for flexible designs

## Full built-in monitoring

24/7 built-in PV & ES system  
fault finding, diagnostics and  
remote troubleshooting  
without extra software





**SunSpec Alliance™ compliant**

Intuitive user interface with clear and easy access

**Streamlined design**

Lightweight and compact, with the world's highest power density in watts per m<sup>3</sup>

**Low thermal stress for power electronics**

Increases reliability and lifetime for low LCoE

**Simple installation**

Light weight, all connections easily accessible behind a hinged lid with quarter-turn locks

**Lightning protection**

Both AC output and DC input with monitored Type 2 Surge Protection Devices

**Complete standard compliance**

Compliance with global and North American safety and EMC standards

**Full grid code compliance**

Grid support features complying with the most stringent grid codes, for example, compliance as a grid support utility interactive inverter under UL 1741 SA allowing use in California and Hawaii

**Excellent power quality**

AC current distortion < 3% (THD at rated output power)

**For detailed specifications, please refer to separate product datasheet**



# World-leading renewable energy engineering

Ampner Oy is a Finland-based industrial services company and equipment manufacturer offering products and services for connecting energy sources to the grid as well as industrial testing systems.

We are driven by new, better ideas and by putting our agility to good use as we exceed our customers' expectations. We create smart solutions for management, testing and quality assurance of a variety of energy sources.

With a footprint of over 6000 MW of installed power electronics, Ampner is a global leader within the renewable energy market with solutions for Wind, Solar and Energy Storage, helping create energy that meets the climate challenge.

**Let's talk!**

**[www.ampner.com](http://www.ampner.com)**

Head office:  
Lestikuja 2  
65380 Vaasa  
Finland

**Sales US:**

Mr. Mark Haug  
[mark.haug@ampner.com](mailto:mark.haug@ampner.com)  
+1 (720)201-0342

**Sales (other areas):**

+358 10 281 8201  
Sales: [sales@ampner.com](mailto:sales@ampner.com)

**Other information:**

Mr. Pasi Törmänen, CTO  
[pasi.tormanen@ampner.com](mailto:pasi.tormanen@ampner.com)  
+358 50 561 2905

Mr. Mika Jantunen, CEO  
[mika.jantunen@ampner.com](mailto:mika.jantunen@ampner.com)  
+358 40 165 7933

