## Inverters



# SUNNY HIGHPOWER PEAK3 125-US / 150-US

SMA



## Cost effective:

Modular architecturereducesBOS and maximizessystemuptime
Compact designand high powerdensity maximizetransportation and logistical efficiency

#### Simpleinstall, commissioning:

- Ergonomic handling and simple con-nections enable quick installation
- Centralized commissioning and con-trol with SMA Data Manager

A superior modular solution for large-scale power plants

The PEAK3 1,500 VDC inverter offers high power density in a modular architecture that achieves a cost-optimized solution for large-scale PV integrators. With fast, simple installation and commissioning, the Sunny Highpower PEAK3 is accelerating the path to energization.

SMA has also brought its field-proven Smart Connected technology to the PEAK3, which simplifies O&M and contributes to lower lifetime service costs. The PEAK3 power plant solution is powered by the ennexOS cross sector energy management platform, 2018 winner of the Intersolar smarter E AWARD.

## FEATURES:

- Field serviceablet
- SnaplNvertermountingsystem
- Wireless monitoring

- Design flexibility
- Dynamic peak manager
- Arc Fault Circuit Interruption

## Maximum flexibility:

Scalable 1,500 VDC buildingblock with best-in-classperformance
Flexible architecturecreatesscalability while maximizing land usage

## Highly innovative:

 SMA Smart Connected reduces O& Mcosts and simplifies field - service
 Powered by award winning ennexOS cross sector energy management platform



## TECHNICAL DATA SUNNY HIGHPOWER PEAK3

## **INPUT DATA**

**OUTPUT DATA** 

M aximum array power M aximum system voltage Rated M PP voltage range M PPT operating voltage range M PP trackers M aximum operating input current Maximum input short-circuit current

#### Sunny Highpower PEAK3 150-US

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187500 Wp STC		225000 Wp STC
	1500 VDC	
705 V 1450 V		880 V 1450 V
684 V 1500 V		855 V 1500 V
	. 1	
	180 A	
	325 A	

3 / 3-PE

 Wye-grounded
 \_\_\_\_\_

 151A
 \_\_\_\_\_

 60 Hz
 \_\_\_\_\_

 50 Hz, 60 Hz / -6 Hz ...+6Hz \_\_\_
 \_\_\_\_\_

 1/00 leading ...00 lagging \_\_\_\_
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#### Sunny Highpower PEAK3 150-US

125000 W

125000 VA

480 V

#### Sunny Highpower PEAK3 150-US

150000W

150000 VA

600 V

Nominal AC power
Maximum apparent power
Output phases / line connections
Nominal AC voltage
Compatible transformer winding configuration
M aximum output current
Rated grid frequency
Grid frequency / range
Power factor at rated power / adjustable displacement
Harmonics (THD)

## **GENERAL DATA**

Device dimensions (W / H / D)		
Weight		
Operating temperature range		
Audible noise emission (full power @ 1m and 25 $^{\circ}$ C)		
Internal consumption at night		
Cooling		
Cooling concept		
Enclosure protection rating		
Maximum permissible relative humidity (non-condensing)		

# Sunny HighpowerSuPEAK3 150-USPI770 / 820 / 444 mm (20.2)

Sunny Highpower PEAK3 150-US

770 / 830 / 444 mm (30.3 / 32.7 / 17.5 in.) 98 kg (2 16 lbs) -25 °C ... +60 °C (-13 °F ... +140 °F) < 69 dB(A) < 5 W OptiCool (forced convection, variable speed fans) Indoor and outdoor Type 4X (as per UL 50E) 100%

