

# Outdoor On-grid Solar Inverter



## 产品优势 Product Advantage

### OP-PSI-3600TL

- 紧凑的结构和高功率密度设计;
- 实时最大功率跟踪的高速 MPPT, 超强的能量捕获功能;
- 无变压器型设计, 最高效率 97.3%( 欧洲效率 96.6%);
- 高过载能力, 大多数情况下可以 4000W 输出;
- 符合国际上各种并网标准的要求;
- 纯正弦波输出;
- RS-485/RS-232 通讯接口;
- 多种语言显示。

- Compact size and high power density;
- High speed MPPT for real time power tracking and improved energy harvesting;
- Transformerless operation for highest efficiency:97.3%(96.6% Euro);
- High overload capability: works up to 4000W under most ambient conditions;
- Certified grid connected operation according to the international standards;
- True Sine Wave Output;
- Integrated RS-485/RS-232 serial communication;
- Multi-language display.

### OP-PSI-5000TL

- 紧凑的结构和高功率密度设计;
- 实时最大功率跟踪的高速 MPPT, 超强的能量捕获功能;
- 无变压器型设计, 最高效率 97.6%( 欧洲效率 97%);
- 高过载能力, 大多数情况下可以 5000W 输出;
- 符合国际上各种并网标准的要求;
- 纯正弦波输出;
- RS-485/RS-232 通讯接口;
- 多种语言显示。

- Compact size and high power density;
- High speed MPPT for real time power tracking and improved energy harvesting;
- Transformerless operation for highest efficiency:97.6%(97% Euro);
- High overload capability: works up to 5000W under most ambient conditions;
- Certified grid connected operation according to the international standards;
- True Sine Wave Output;
- Integrated RS-485/RS-232 serial communication;
- Multi-language display.

### OP-PSI-6000TL

- 紧凑的结构和高功率密度设计;
- 实时最大功率跟踪的高速 MPPT, 超强的能量捕获功能;
- 无变压器型设计, 最高效率 97.6%( 欧洲效率 97.1%);
- 高过载能力, 大多数情况下可以 6000W 输出;
- 符合国际上各种并网标准的要求;
- 纯正弦波输出;
- RS-485/RS-232 通讯接口;
- 多种语言显示。

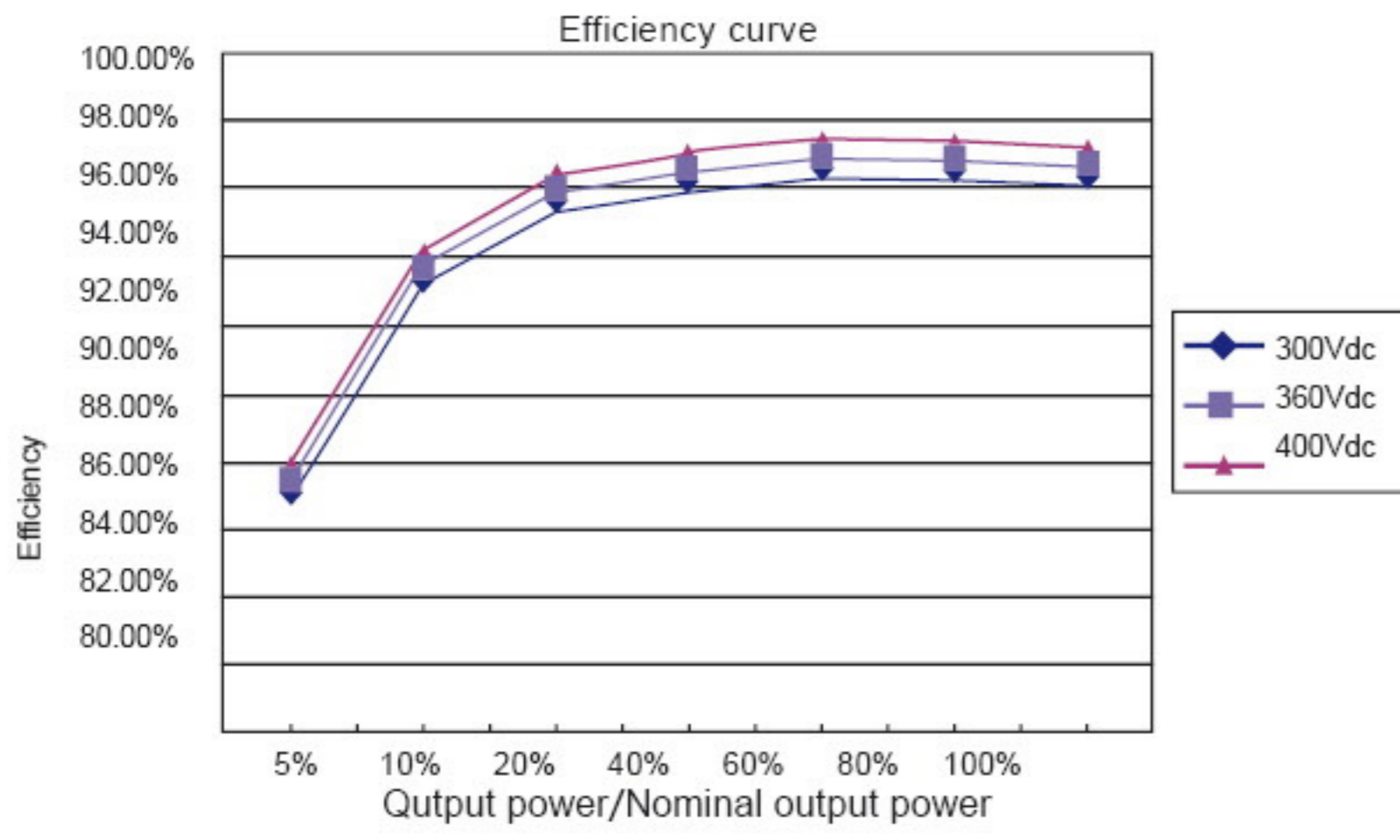
- Compact size and high power density;
- High speed MPPT for real time power tracking and improved energy harvesting;
- Transformerless operation for highest efficiency:97.6%(97.1% Euro);
- High overload capability: works up to 6000W under most ambient conditions;
- Certified grid connected operation according to the international standards;
- True Sine Wave Output;
- Integrated RS-485/RS-232 serial communication;
- Multi-language display.



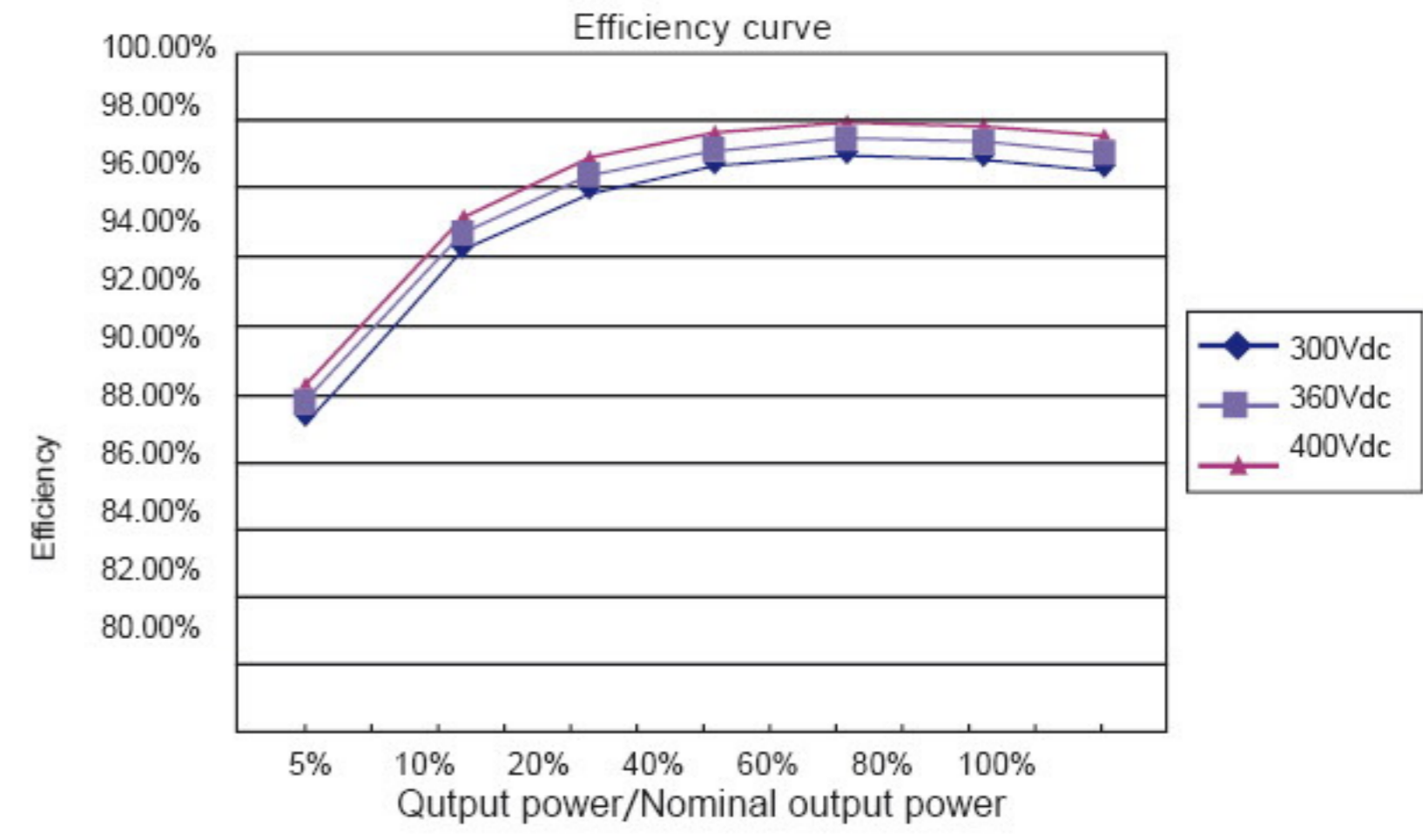
# 户外型太阳能并网逆变器

## 典型效率曲线图 Typical efficiency curve

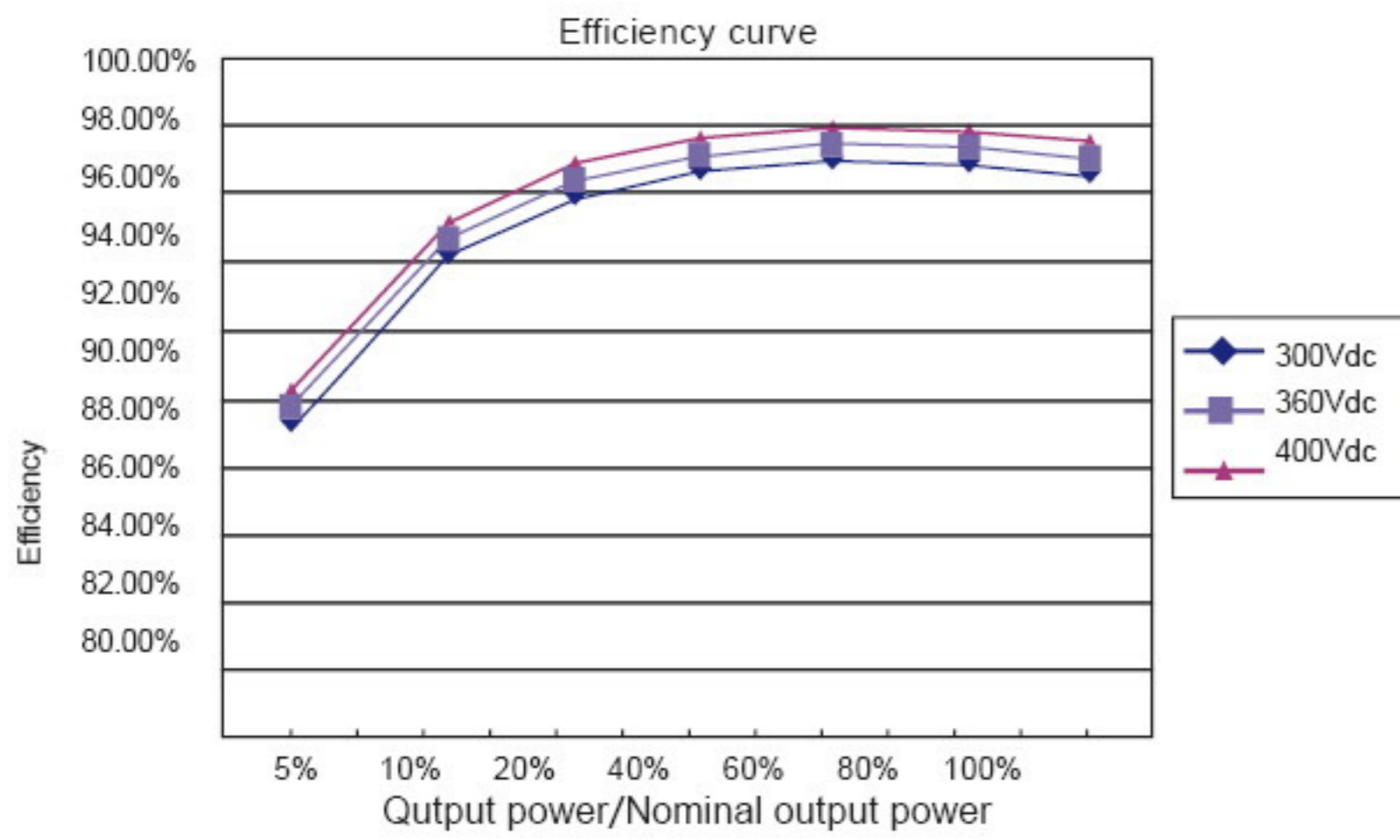
### OP-PSI-3600TL



### OP-PSI-5000TL



### OP-PSI-6000TL





# Outdoor On-grid Solar Inverter

特征 Characteristics	OP-PSI-3600TL	OP-PSI-5000TL	OP-PSI-6000TL
输入参数 ( 直流侧 )Input Data(DC side)			
最大直流输入功率 Max.DC power	4180W	5300W	6400W
最大直流输入电压 Max.DC voltage	500Vdc	500Vdc	
MPPT 范围 MPPT Operating range	100~450Vdc	100~500Vdc	
输入路数 Number of parallel inputs	2	3	
MPPT 跟踪路数 Number of MPPT trackers		1	
最大输入电流 Max.input current(total)	20A	25A	27A
输出参数 ( 交流侧 )Output Data(AC side)			
额定输出功率 Nominal output power	3600W	4600W	6000W
最大输出功率 Max. Output power	4000W	5000W	3460W
额定输出电流 Nominal output current	15.7A	20A	26A
最大输出电流 Max. output current	19A	23.8A	28.6A
额定电网电压 Nominal AC voltage		230Vac	
电网电压范围 *AC voltage range*		190~265Vac	
额定电网频率 Nominal AC grid frequency		50Hz	
电网频率范围 *AC grid frequency range*		50 ± 5Hz	
功率因数 (cos φ) Power factor(cos φ)		>0.99	
电流谐波 (THDI) Harmonic distortion(THDI)	<3%( 额定输出功率时 )<3%(at nominal output power)		
效率 Efficiency			
最大效率 Max. efficiency	97.3%	97.6%	
欧洲效率 Euro Efficiency	96.6%	97%	97.1%
MTTP 效率 MPPT Efficiency		99.6%	
通用参数 General data			
尺寸 ( W/D/H ) Dimensions ( W/D/H )	345 × 162 × 384 mm	345 × 162 × 573 mm	
净重 Net weight	17Kg	26Kg	
工作温度 Operating temperature range	-25°C ~ +60°C		
噪音 Noise emission(typical)	≤ 25 dB(A)		
夜间耗电 Power consumption at night	0 W		
电气隔离 Electrical isolation	无变压器型 Transformer-less		
冷却方式 Cooling concept	自然冷却 Natural cooling		
防护等级 IP Code	IP65		
通讯接口 Communication	RS-485/RS-232		

\* 电网电压范围和频率范围取决于当地的超标准。\*AC grid voltage range and frequency range depend on local standards.

## 型号总结 Sodel Summary

型号 Model	输出功率 Output power
OP-PSI-3600TL	3600W
OP-PSI-3600TL-S	3600W
OP-PSI-5000TL	4600W
OP-PSI-5000TL-S	4600W
OP-PSI-6000TL	6000W
OP-PSI-6000TL-S	6000W

\* S 结尾表示集成直流开关 \* -S suffix indicate an integrated DC switch.

## 符合的国际标准 Accord With International Standard

OP-PSI 逆变器符合各国并网要求、安全和电磁兼容标准，包括 VDE0126-1-1, DK5940, AS4777, IEC 62109-1, IEC62109-2, EN50178, EN61000, G83/1, CE。

OP-PSI INVERTERS MEET THE STANDARD FOR ON-GRID, SAFE AND EMC, INCLUDING VDE0126-1-1, DK5940, AS4777, IEC 62109-1, IEC62109-2, EN50178, EN61000, G83/1, CE.