

户外型太阳能并网逆变器



产品优势 Product Advantage

OP-PSI-10000TL

- 符合德国电力管理部门要求的功率降额 (100%, 60%, 30%, 0%) 功能;
- 紧凑的结构和高功率密度设计;
- 3 路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 98.2%(欧洲效率 97.6%);
- 高过载能力, 大多数情况下可以 11KW 输出;
- 符合国际上各种并网标准的要求;
- 真正的三相逆变器;
- RS-485/RS-232 通讯接口;
- 多种语言显示。

- Power reduction (100%,60%,30%,0%)meet German EEG requirements;
- Compact size and high power density;
- 3 channels high speed MPPT for real time power tracking and improved energy harvesting;
- Transformerless operation for highest efficiency 98.2%(97.6% Euro);
- High overload capability: works up to 11KW under most ambient conditions;
- Certified grid connected operation according to the international standards;
- True three phases inverter;
- Integrated RS-485/RS-232 serial communication;
- Multi-language display.

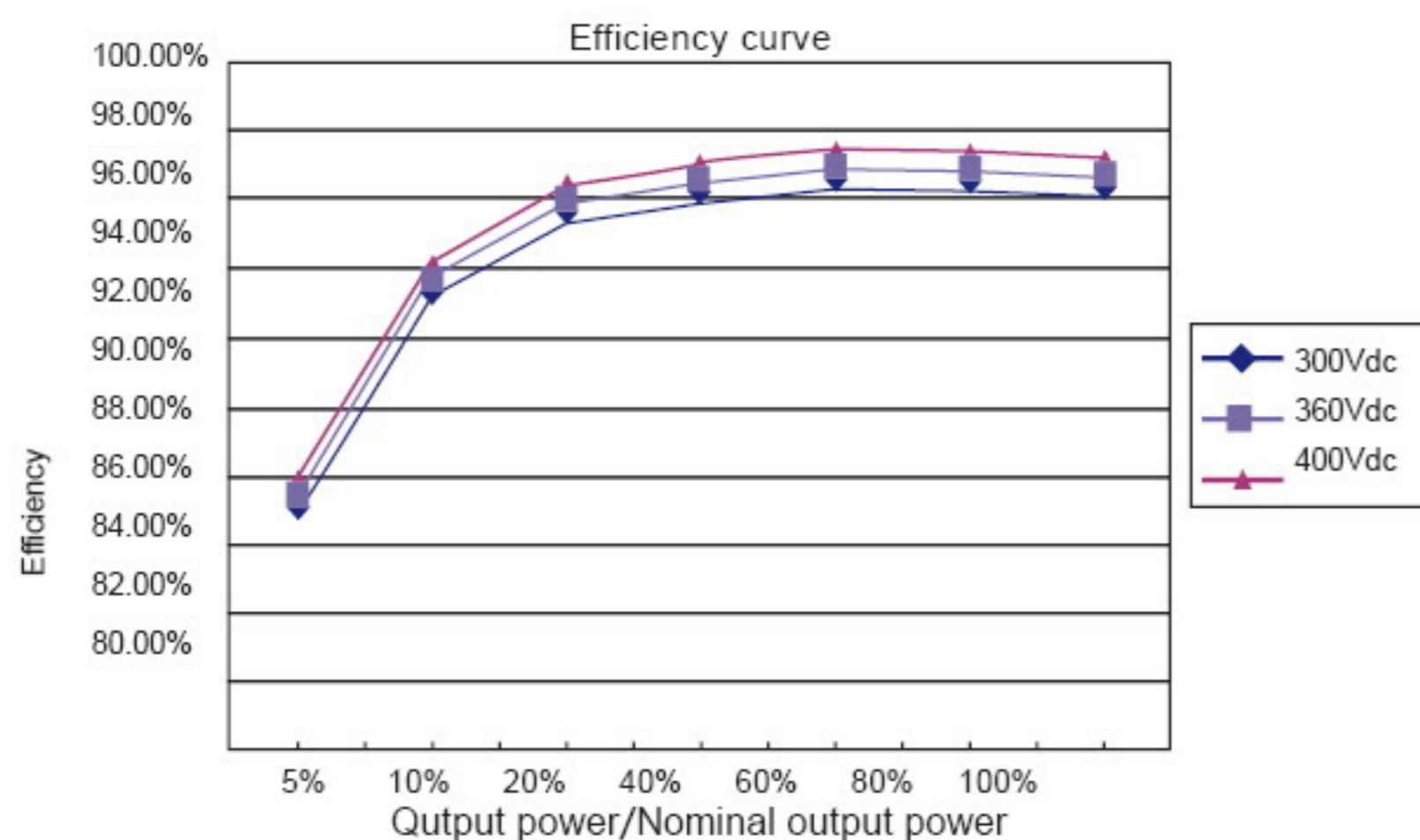
OP-PSI-12500TL

- 符合德国电力管理部门要求的功率降额 (100%, 60%, 30%, 0%) 功能;
- 紧凑的结构和高功率密度设计;
- 3 路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 98.3%(欧洲效率 97.6%);
- 高过载能力, 大多数情况下可以 12.5KW 输出;
- 符合国际上各种并网标准的要求;
- 真正的三相逆变器;
- RS-485/RS-232 通讯接口;
- 多种语言显示。

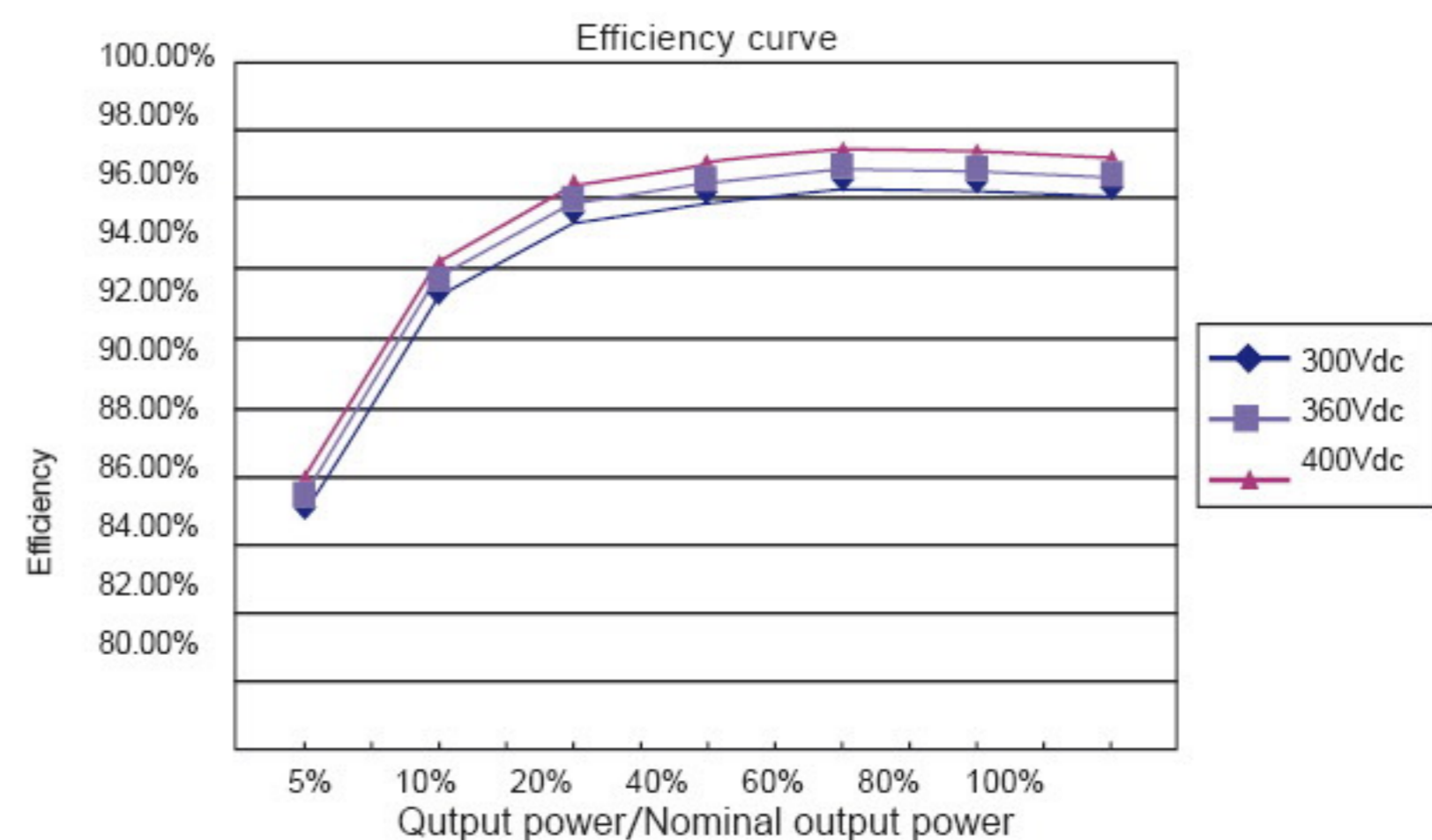
- Power reduction (100%,60%,30%,0%) meet German EEG requirements;
- Compact size and high power density;
- 3 channels high speed MPPT for real time power tracking and improved energy harvesting;
- Transformerless operation for highest efficiency 98.2%(97.6% Euro);
- High overload capability: works up to 12.5KW under most ambient conditions;
- Certified grid connected operation according to the international standards;
- True three phases inverter;
- Integrated RS - 485/ RS - 232 serial communication;
- Multi-language display.

典型效率曲线图 Typical efficiency curve

OP-PSI-10000TL



OP-PSI-12500TL



Outdoor On-grid Solar Inverter

特征 Characteristics	OP-PSI-10000TL	OP-PSI-12500TL
输入参数 (直流侧)Input Data(DC side)		
最大直流输入功率 Max.DC power	12400W	15500W
最大直流输入电压 Max.DC voltage	900Vdc	900Vdc
MPPT 范围 MPPT Operating range	200~800Vdc	
输入路数 Number of parallel inputs	3	
MPPT 跟踪路数 Number of MPPT trackers	3	
最大输入电流 Max.input current(total)	39A(每路 13A)39A(13A per tracker)	48A(每路 16A)48A(16A per tracker)
输出参数 (交流侧)Output Data(AC side)		
额定输出功率 Nominal output power	10000W	12500W
最大输出功率 Max. Output power	11000W	12500W
额定输出电流 Nominal output current	每相 14.5A 14.5A per phase	每相 18.1A 18.1A per phase
最大输出电流 Max. output current	每相 17.5A 17.5A per phase	每相 19.9A 19.9A per phase
额定电网电压 Nominal AC voltage	400Vac	
电网电压范围 *AC voltage range*	330~480Vac	
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)	0.9(超前) ~ 0.9(滞后) 0.9(leading)~0.9(lagging)	
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	98.2%	
欧洲效率 Euro Efficiency	97.6%	
MTTP 效率 MPPT Efficiency	99.6%	
通用参数 General data		
尺寸 (W/D/H) Dimensions (W/D/H)	480 × 182 × 640 mm	
净重 Net weight	38Kg	
工作温度 Operating temperature range	-25℃ ~ +60℃	
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	风扇冷却 (风扇防护等级 IP54) Fan cooling (IP54 fan)	
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.