

ES5000-WL

【Features】

Leading-edge Technology

1. Max conversion efficiency 97.6%
2. The MPPT Adaptation Efficiency is over 99.5%
3. The Total Harmonic Distortion(THD) is less than 2%

Flexibility

1. Use for indoor or outdoor (IP65)
2. 'plug and play' connection for easy installation and maintenance
3. Friendly display

Built to last

1. Aluminum house
2. Automatic protection including over voltage, islanding, short circuit, overload and under voltage, under load
3. 5 years standard warranty and up to 20 years warranty extension



【Technical parameters】

Type	ES5000-WL
Input (DC)	
Max. DC voltage	480Vdc
Start Voltage	140V
MPPT voltage range	180—450V(at rated power)
Min DC voltage	180V
Recommend DC power	5200W
Max. Input Power	30A
DC Joint number	1
Output (AC)	
AC nominal power	5000W
Max AC power [W]	5500W
Max AC power [A]	32A
Rated Grid Voltage	230Vac
Grid Voltage Range	188Vac—264Vac
Rated Grid Range	50Hz/60Hz
Grid Frequency	58.5~61.5Hz
Output current THD	<3%
DC current injection	<0.5%
Power factor	≥0.99%
System data	
Max efficiency	97%
Euro efficiency	96.5%
Protection degree	IP65(outdoor)
Power consumption at night	<0.5W
Operating Temperature	-20℃ ~ +50℃
Cooling Method	natural cooling
Relative Humidity	
Relative Humidity	0—95%
Max. Working Altitude	3000 m
Display	LCD
Standard communication	RS485
Mechanical Data	
Dimensions (WxHxD)	420x350x150mm
Net Weight	18.5kg