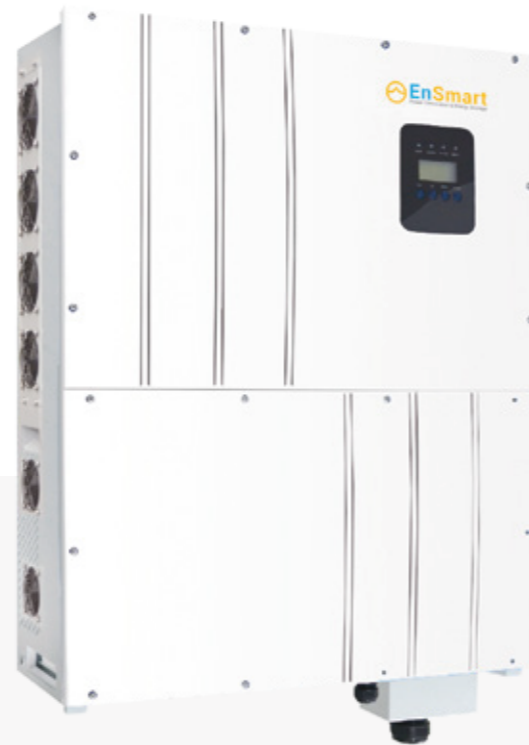


Commercial Grid - Tied PV Inverter

ESG 30-60kW

30K/50K/60K

EnSmart provides smart PV solutions for customers to utilize the roof resources. This inverter series is ideal for light commercial buildings and can power up to 60kW loads.



High Efficiency

- Max. PV voltage up to 1000V
- High efficiency up to 98.6%

Easy Installation

- Simple O&M
- WiFi/GPRS Plug optional

Reliable

- DC/AC Type II SPD optional
- Positive DC fuse optional

Technical Specifications

Model	ESG-30K	ESG-50K	ESG-60K
INPUT			
Max. DC Voltage	1000Vdc		
MPPT Voltage Range	400~800Vdc	250~950Vdc	500~800Vdc
Full Load Voltage Range	480~800Vdc		
Rated DC Voltage	620Vdc		
Min. / Start DC Voltage	200 / 250Vdc		
Number of MPPT	3		
Strings per MPPT	2	4	
Max. Input Current per MPPT	26A	36A	40A
OUTPUT			
Rated AC Output Power	30kW	50kW	60kW
Max. AC Output Power	33kW	55kW	66kW
Rated AC Voltage	400Vac		
AC Voltage Range	400Vac±20%		
Rated AC Grid Frequency	50/60Hz		
AC Grid Frequency Range	50 /60Hz (±5Hz)		
Rated Output Current	44A	72A	87A
Max. Output Current	48A	80A	95A
Power Factor	0.8leading-0.8lagging		
THDi	<3%		
AC Connection	3W+N+PE/3W+PE		
Topology	Transformer-less		
EFFICIENCY			
Max. Efficiency	98.3%	98.6%	
Euro Efficiency	98.0%	98.2%	
PROTECTION DEVICE			
AC Leakage Current Fault Protection	Yes		
LVRT	Yes		
Ground Fault Protection	Yes		
Anti-Islanding Protection	Yes		
DC Overvoltage Protection	Yes		
DC Surge Protection	Yes		
AC Surge Protection	Yes		
DC Reverse-Polarity Protection	Yes		
ENVIRONMENT			
Operating Temperature Range	-25°C~+60°C		
Noise Emission (Typical)	<40dB	<40dB	
Cooling Type	Natural cooling	Fans	
Protection Rating	IP65		
FEATURES			
LCD Display	Yes		
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)		
PHYSICAL			
Dimensions WxDxH (mm)	636×958×260		
Weight (kg)	61	68	70

Highlights



EFFICIENT
HIGHER REVENUE



EASY
INSTALLATION



SAFE AND
RELIABLE