

# Specifications

## Model Sunteams 3000

The Kinglong Sunteams series grid-connected inverter works in the 1KW-5KW power range and is mainly applied in a home grid-connected PV power generation system.

### Features

- The maximum efficiency of the inverter can reach 96.60%
- MPPT efficiency >99.50%
- Non-fan design
- Internal GFCI device
- Built-in leakage current protection device
- IP65 protection
- Transformer-less design
- Optional DC switch
- RS232 & RS485 communication
- Meets RoHS
- Designed for hanging with simple and easy installation



Specifications	Sunteams 3000	Specifications	Sunteams 3000
Input data		Device protection	
Max.DC power	3180W	Reverse polarity protection	short-circuit diode
Max.DC voltage	500V	DC switch	optional
System start-up voltage	150V	Short-circuit proof	Yes
Full load voltage range MPPT	250V-400V	Ground fault monitoring	Yes
PV voltage range MPPT	110V-480V	Grid monitoring	Yes
Max.input current	13A	Ground fault current detection	optional
DC voltage ripple	< 5%	General data	
Number of MPP trackers	1	Dimensions(height x width x depth)	415/378/125
Max.number of strings	2	Weight	14.1kg
Output data		Ambient temperature	-25℃ to + 80℃
Nominal AC output	2800W	Noise development	<30 dB (A)
Max.AC power	3000W	Power Consumption Night	<0.2W
Max.output current	16A	Topological structure	transformerless
THD of AC current	< 3%	Cooling	free convection
Nominal Grid voltage range	180V-280V	IP degree of protection	IP65
Nominal Grid frequency range	50Hz/60Hz	Feature	
Power factor (cos φ)	0.99	DC connections	MC4
Number of feed-in phases	single-phase	AC connections	plug connector
Efficiency		Display	LCD/LED
Max. efficiency	96.60%	Accessory interfaces	RS485/RS232
Euro ETA	95.50%	Standard warranty	5 years
MPPT efficiency	99.50%	Certificates	CE/VDE/TUV/IAS/ ENEL/ETL/G83