

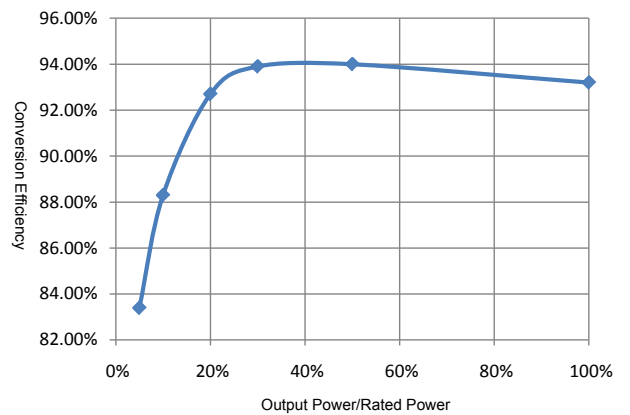


SG 3K

Features:

- Easy-setting multilingual LCD display panel
- High reliability with full protective functions
- Stainless steel house with IP65 protection degree for outdoor installations
- Water-proof direct plug-in terminals
- CE certification, CGC certification

Efficiency Curve: (at $V_{dc}=300V$)



Technical Specifications:

SG 3K	
DC SIDE DATA	
Max. DC Voltage	450Vdc
MPP Voltage Range	200~380Vdc
Max. DC Power	3300Wp
Max. Input Current	18A
Recommend PV Array Open Circuit Voltage	320V
Number of MPP Trackers/Strings Per MPP Tracker	1/2
AC SIDE DATA	
Rated Output Power	3000W
Rated Grid Voltage	230Vac
Grid Voltage Range	180~260Vac
Rated Grid Frequency	50Hz/60Hz
Grid Frequency Range	47~51.5Hz/57~61.5Hz
Output Current THD	<3% (at nominal power)
DC Current Injection	<0.5% of rated inverter output current
Power Factor	≥0.99 (at nominal power)
SYSTEM	
Max. Efficiency	94% (with transformer)
Euro. Efficiency	93% (with transformer)
Protection Degree	IP65 (outdoor)
Power Consumption at Night	0W
Operating Temperature	-25~+60°C
Cooling Method	natural cooling
Relative Humidity	0~95%, non-condensing
Max. Working Altitude	2000m
DISPLAY AND COMMUNICATIONS	
Display	LCD
Standard Comm. Interfaces	RS485
Optional Comm. Interfaces	Ethernet/GPRS
MECHANICAL DATA	
Dimensions (WxHxD)	490x380x225mm
Net Weight	37.52kg

Certificates:



Circuit Diagram:

