

# SG 23/25RT -20

## Household inverter

NEW



Start early and stop late, more power generation

- 98.5% maximum conversion efficiency, wide working voltage range, early start and stop late, efficient power generation is more lasting
- The maximum input voltage is 1100V, which can be connected to more solar panels and increase the power generation by about 2%



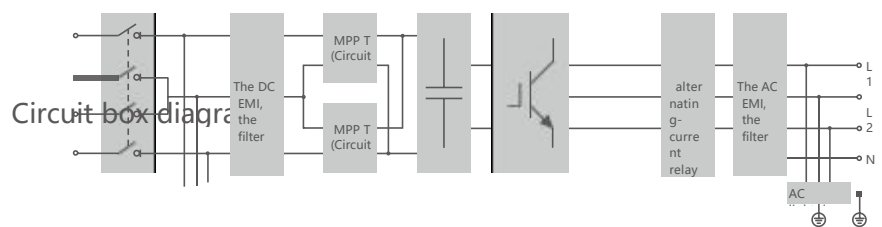
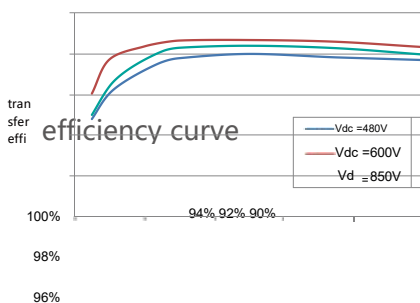
High-quality and simple operation and maintenance, and more reliable

- IP 65 protection and aluminum alloy die-casting high-end design, not afraid of heat, corrosion resistance, 25 years without rust
- One key scan code, intelligent station construction, photovoltaic power generation is so simple
- Abandon the traditional LCD screen design, mobile phone intelligent cloud monitoring, anytime and anywhere operation is more convenient



Anti-lightning strike | Low radiation, which is much safer

- AC and DC secondary lightning protection design, actively eliminate lightning hidden danger
- EMC is comparable to household appliances, far away from radiation hazards
- Free software upgrade, warranty period of free maintenance, no worries



maximum input voltage	1100V	1100V
starting voltage	180V	180V
Rated input voltage	600V	600V
MPPT voltage range	160V~1000V	160V~1000V
Full-load MPPT voltage range	500V~850V	560V~850V
MPPT quantity	2	2
Maximum number of input group strings per route MPPT	2 / 2	2 / 2
Maximum input current	54A (27A / 27A )	54A (27A / 27A )
Maximum DC short-circuit current	68A (34A / 34A )	68A (34A / 34A )
output rating	23000W	25000W
Maximum output depends on the power	25300VA	27500VA
maximum output current	36.7A	39.8A
Rated power grid voltage	3 / N / PE, 400V	3 / N / PE, 400V
Grid voltage range	270V~480V	270V~480V
Rated power grid frequency	50Hz	50Hz
Power grid frequency range	45~55Hz	45~55Hz
Total current waveform distortion rate	<3% (rated power)	<3% (rated power)
direct component	<0.5% In	<0.5% In
power factor	> 0.99@ Full power (adjustable range 0.8 ahead ~0.8 lag)	> 0.99@ Full power (adjustable range 0.8 ahead ~0.8 lag)
maximal efficiency	98.5%	98.5%
European efficiency	98.0%	98.0%
Island protection	possess	possess
AC-level short-circuit protection	possess	possess
Lease current protection	possess	possess
DC switch	possess	possess
Overvoltage grade	III [Grid side], II [PV side]	III [Grid side], II [PV side]
surge protection	DC secondary lightning protection, AC secondary lightning protection	DC secondary lightning protection, AC secondary lightning protection
Dimensions (width, height and thickness)	370×480×195mm	370×480×195mm
way to install	Backplane hanging wall installation	Backplane hanging wall installation
weight	21kg	21kg
isolation method	No transformer	No transformer
levels of protection	IP 65	IP 65
Self-consumption at night	<1W	<1W
temperature	-25°C~+60°C	-25°C~+60°C
humidity	0%~100%	0%~100%
cooling-down method	forced air cooling	forced air cooling
height	4000m (> 2000m drop)	4000m (> 2000m drop)
show	LE D	LE D
communication	4G	4G
The DC-side terminal type	MC 4	MC 4
The AC-side terminal type	The OT / DT terminal	The OT / DT terminal
attestation	IEC621091/-2, EN61000-61, E N 61000-6-2, EN 61000-6-3, EN 61000-6-4, NB / T32004-2018	IEC621091/-2, EN61000-61, E N 61000-6-2, EN 61000-6-3, EN 61000-6-4, NB / T32004-2018