

SG 8.0/10/12/15/17/20RT -20

Household inverter



Start early and stop late, more power generation
 -98.6% maximum conversion efficiency, with a wide operating voltage range.

Start early and stop late, and the efficient power generation is more lasting

-Maximum input voltage of 1100V, with access to more solar panels,
 Electricity generation is estimated to be increased by about 2%

Lightning resistance to low radiation, 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

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

maximum input voltage	1100V					
starting voltage	180V					
MPPT voltage range	160V~1000V					
Full-load MPPT voltage range	330V~850V	430V~850V	510V~850V	430V~850V	365V~850V	430V~850V
MPPT quantity	2					
Maximum number of input group strings per route MPPT	1/1	1/1	1/1	2/1	2/2	2/2
Maximum input current	25A (12.5A /12.5A)	25A (12.5A /12.5A)	25A (12.5A /12.5A)	37.5A (25A /12.5A)	50A (25A /25A)	50A (25A /25A)
Maximum DC short-circuit current	32A (16A /16A)	32A (16A /16A)	32A (16A /16A)	48A (32A/16A)	64A (32A /32A)	64A (32A /32A)
output rating	8000W	10000W	12000W	15000W	17000W	20000W
Maximum output depends on the power	8800VA	11000VA	13200VA	16500VA	18700VA	22000VA
maximum output current	13.3A	16.7A	20A	25A	28.3A	31.9A
Rated power grid voltage	3 / N / PE, 400V					
Grid voltage range	270V~480V					
Rated power grid frequency	50Hz					
Power grid frequency range	45~55Hz					
maximal efficiency	98.5%	98.5%	98.5%	98.6%	98.6%	98.6%
European efficiency	98.0%	98.1%	98.1%	98.1%	98.2%	98.2%

levels of protection	IP 65					
temperature	-25°C~+60°C					
cooling-down method	natural cooling	natural cooling	natural cooling	Intelligent air cooling	Intelligent air cooling	Intelligent air cooling
show	LE D					
communication	4G					
The DC-side terminal type	MC 4					
The AC-side terminal type	The OT / DT terminal					
attestation	IEC 621091/-2, EN 61000-61, EN61000-6-2, EN61000-6-3, EN61000-6-4, NB/T32004-2018					
Dimensions (width, height and depth)	370×480×195mm					
way to install	Backplane hanging wall installation					
weight	17kg	17kg	17kg	17kg	20kg	20kg