

SG 40CX -P 2-CN

Group series inverter



Efficient power generation

- Adaptive weak grid, and net friend good high income
- 15A DC side input for 500W + large components
- Operating voltage range is wide, early start, late shutdown, more power generation lasting



Safety

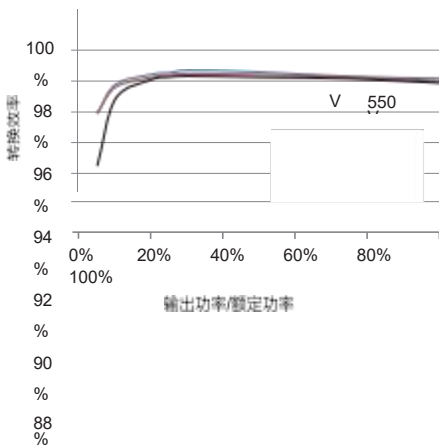
- EMC is comparable to home appliances and far away from radiation hazards
- Aluminum alloy shell, electrostatic spraying process, 25 years no rust
- 4G communication signal is strong, wide coverage



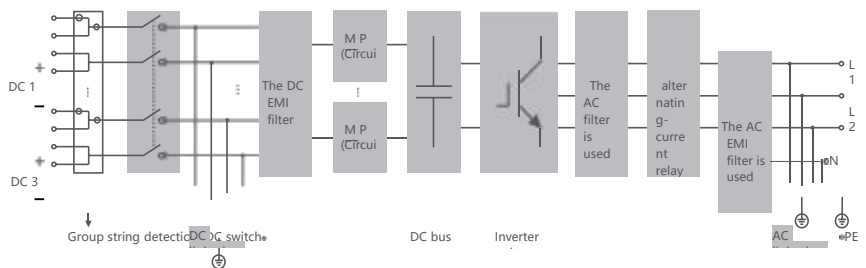
Convenient operation and maintenance

- Two sides handle design, weight is better than the industry average 20%
- Contact-free, proximal Bluetooth real-time data view
- Intelligent group string detection, second-level data display, accurate troubleshooting

efficiency curve



Circuit box diagram



maximum input voltage	1100V
Minimum input voltage / start voltage	160V / 200V
Rated input voltage	600V
MPPT voltage range	160~1000V
Maximum number of input group strings per route of MPPT	2
Maximum input current per circuit	15A
Maximum input current	90A (3 × 30A)
MPPT quantity	3
Maximum allowable current of the input terminal	30A
Maximum DC short-circuit current	120A (3 × 40A)
output rating	40000W
maximum output	44000W
Maximum output depends on the power	44000VA
maximum output current	66.9A
Rated power grid voltage	3 / N / PE, 230 / 400V, 220 / 380V
Power Grid voltage range	312~480V
Rated power grid frequency / power grid frequency, rate range	50Hz / 45~55Hz
Total current waveform distortion rate	<3% (At the rated power level)
direct component	< 0.5% In
power factor	> 0.99 (At rated power)
Power factor-adjustable range	0.8 Advance ~0.8 lag
Fefed / output phase	3 / 3
maximal efficiency	98.60%
China's efficiency	98.00%
DC reverse protection	possess
AC short-circuit protection	possess
Lease current protection	possess
Power grid monitoring	possess
DC switch	possess
Group string detection	possess
Island protection	possess
surge protection	DC II / AC II
Dimensions (width, height and depth)	605*575*245mm
weight	35 k g
isolation method	No transformer
levels of protection	IP 66
Night loss	≤1 W
operating temperature range	-30 to 60 °C
Operating humidity range	0~100%
cooling-down method	Intelligent forced air cooling
Maximum working altitude	4000m (> 2000m drop)
show	LED, Bluetooth + APP
communication	4G
DC terminal type	MC 4
Communication terminal type	OT / DT terminal (35 mm max ²)
meet a criterion	NB / T 32004-2018, GB / T 37408-2019
Power grid support	Anti-island, active and reactive power regulation, PF control, slow start / off