

انفرترات مضخات طاقة شمسية

ذات الأداء المميز

250vdc-900vdc

يوفر لك ساعات أكثر

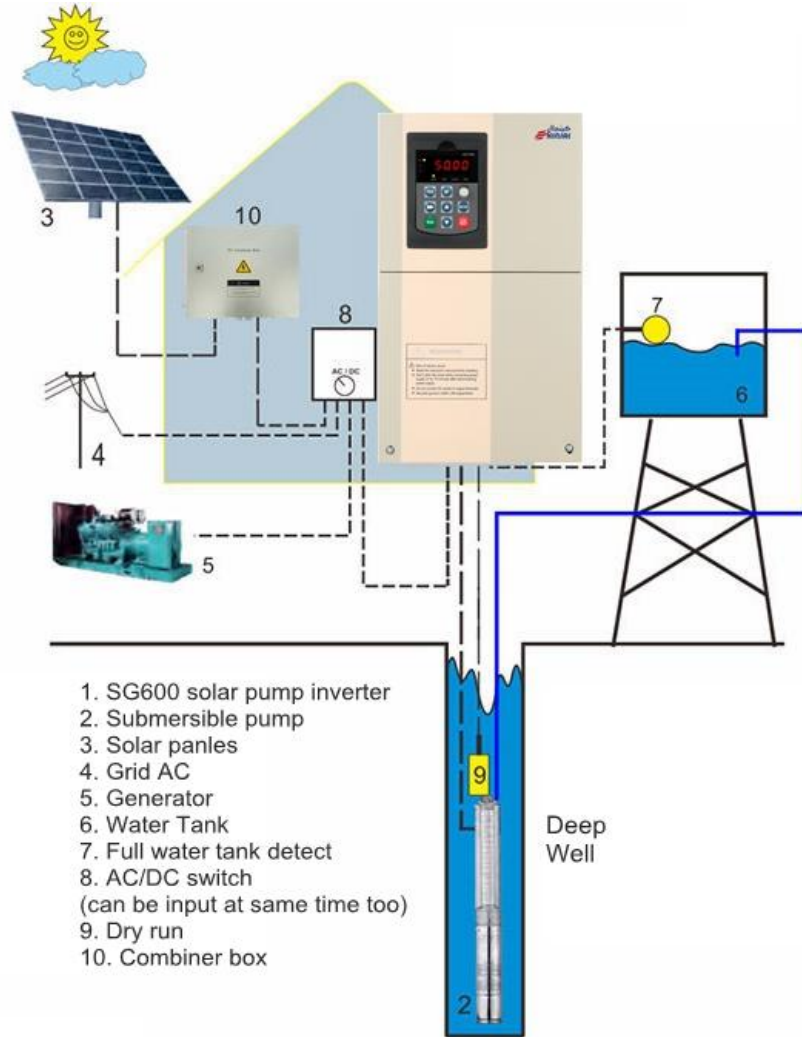
الإصدار الجديد كلياً

يوفر حماية كاملة متعددة المستويات للمضخة
كفاءة أداء MPPT تعمل الى 99.9%
يقبل الدمج مع الكهرباء وتعويض النقص
في حالة الغيوم

Kinjal

الداعم ..
القوي

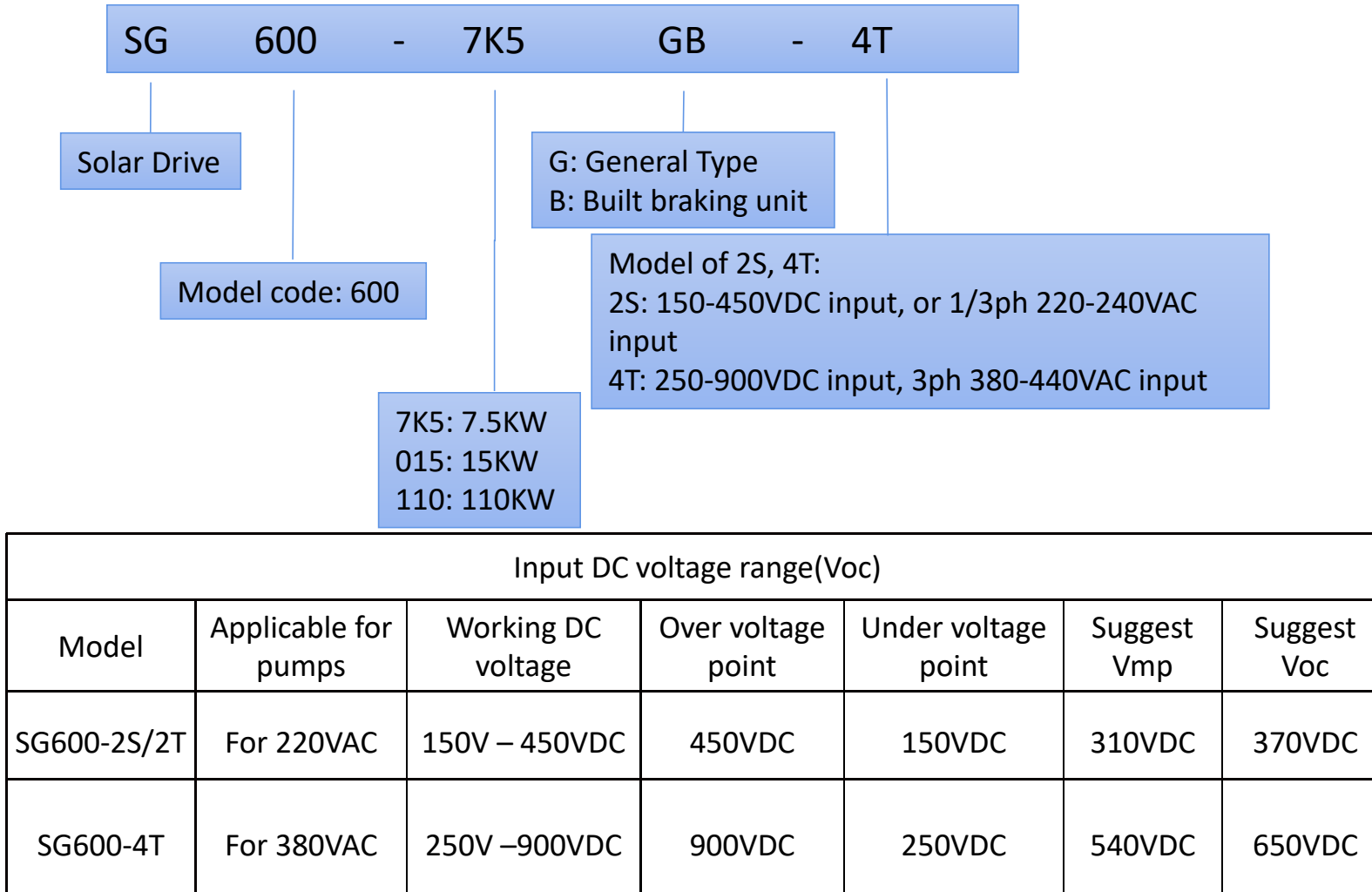




Advantage of SG600 solar pump inverter:

1. Maximum power point tracking (MPPT) with fase response and stable, efficiency more than 99%.
2. Drives well AM, PMSM, and single phase pump.
3. Automatic detect the DC voltage.
4. Built in automatic sleep-wake up function.
5. The PQ performance curveenables calculating the flow output from the pump.
6. Dry Run, water tank detect, over/under voltage, over current/load etc. protections.
7. LED or LCD display is optional.
8. GPRS remote monitor and control.

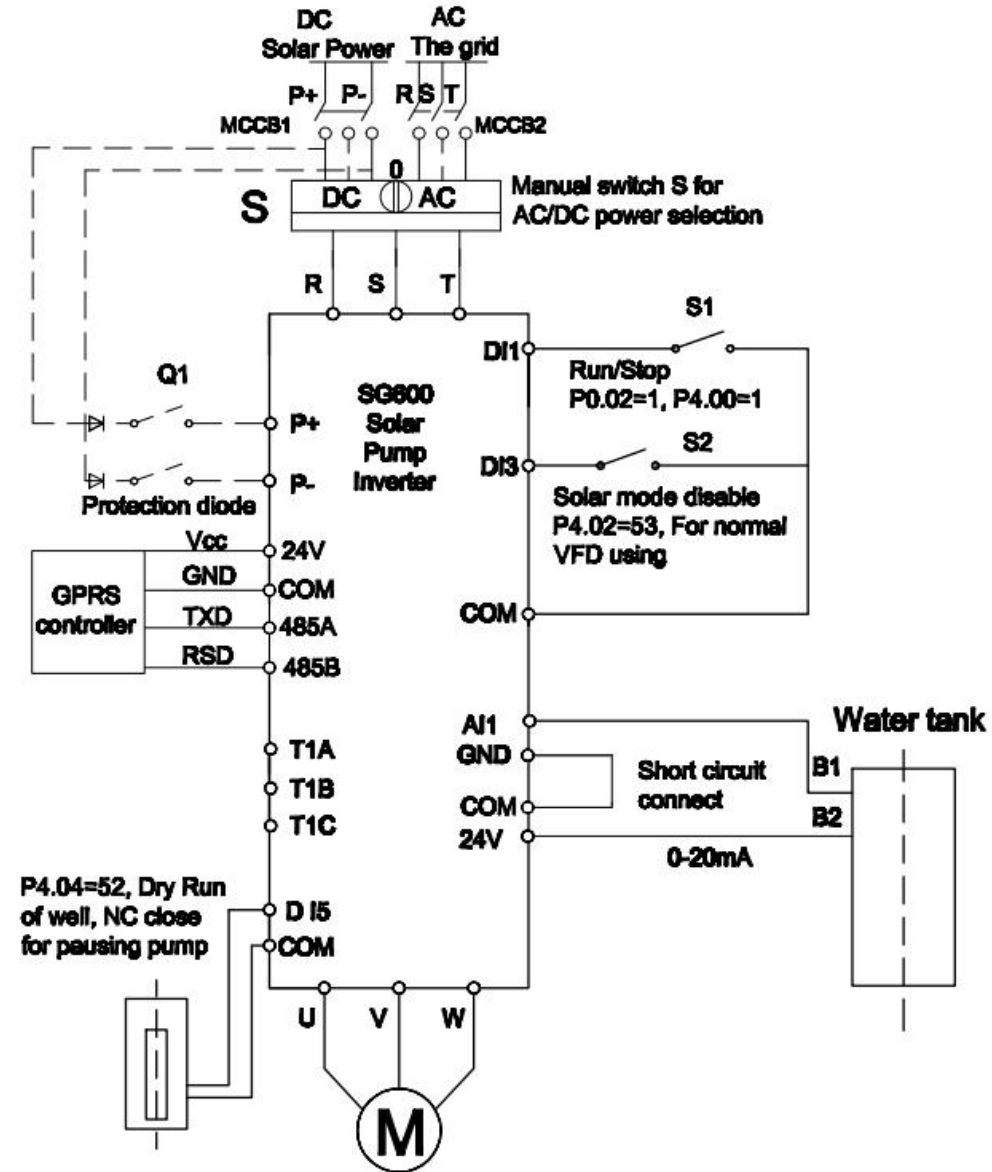
Nameplate



Model No.

No.	Model No.	Rate current (A)	Output voltage (VAC)	Rated power (KW)	Suggest Voc (VDC)
2S series 150 to 450 VDC or 220/240VAC input, Vmp 310VDC, Voc 380VDC					
1	SG600-0K7GB-2S	4A	220V/240V	0.75KW	373V
2	SG600-1K5GB-2S	7A	220V/240V	1.5KW	373V
3	SG600-2K2GB-2S	10A	220V/240V	2.2KW	373V
4	SG600-4K0GB-2S	16A	220V/240V	4.0KW	373V
**	SG600-***GB-2S	**	220V/240V	Up to 75KW	373V
250 to 900 VDC or 380/480VAC input, Vmp 540VDC, Voc 650VDC					
5	SG600-0K7GB-4T	2.5A	380V-440V/480V	0.75KW	643V
6	SG600-1K5GB-4T	3.7A	380V-440V/480V	1.5KW	643V
7	SG600-2K2GB-4T	5A	380V-440V/480V	2.2KW	643V
8	SG600-4K0GB-4T	10A	380V-440V/480V	4.0KW	643V
9	SG600--5K5GB-4T	13A	380V-440V/480V	5.5KW	643V
10	SG600-7K5GB-4T	17A	380V-440V/480V	7.5KW	643V
11	SG600-011GB-4T	22A	380V-440V/480V	11KW	643V
12	SG600-015GB-4T	30A	380V-440V/480V	15KW	643V
13	SG600-018GB-4T	37A	380V-440V/480V	18KW	643V
14	SG600-022GB-4T	45A	380V-440V/480V	22KW	643V
15	SG600-030GB-4T	60A	380V-440V/480V	30KW	643V
16	SG600-037GB-4T	75A	380V-440V/480V	37KW	643V
17	SG600-045GB-4T	91A	380V-440V/480V	45KW	643V
18	SG600-055GB-4T	110A	380V-440V/480V	55KW	643V
19	SG600-075GB-4T	150A	380V-440V/480V	75KW	643V
20	SG600-090GB-4T	180A	380V-440V/480V	90KW	643V
21	SG600-110GB-4T	210A	380V-440V/480V	110KW	643V
22	SG600-132GB-4T	260A	380V-440V/480V	132KW	643V
22	SG600-160GB-4T	320A	380V-440V/480V	160KW	643V
24	SG600-185GB-4T	360A	380V-440V/480V	185KW	643V
25	SG600-200GB-4T	400A	380V-440V/480V	200KW	643V

Wiring diagram



Technical Specification

Input voltage range	80V to 450VDC input, 3PH 110VAC output, 1S model 150V to 450VDC input, 3PH 220VAC output, 2S/2T model 250V to 800/900VDC input, 3PH 380/440/480VAC output, 4T model
Recommended input voltage (Voc and Vmp)	Voc 180VDC, Vmp 155VDC for 1S model & 110VAC pumps Voc 370VDC, Vmp 310VDC for 2T model & 220VAC pumps Voc 650VDC, Vmp 540VDC for 4T model & 380VAC pumps
Motor type	Control for permanent magnet servo motor and asynchronous motor pumps.
Input power	DC power from solar arrays or AC grid power
Maximum DC power input	450VDC for 220AC output & 800/900VDC for 380V AC output, (900V needs remark)
Rated output voltage	Single phase 220V, 3-phase 220V/380V/480V
Output frequency range	0~50/60Hz
MPPT efficiency	99.6%,
Ambient temperature range	G-type inverter with submersible pumps, and P type for general pumps.
Solar pump control special performance	MPPT (maximum power point tracking), CVT (constant voltage tracking), auto/manual operation, dry run protection, low stop frequency protection, minimum power input, motor maximum current protection, flow calculating, energy generated calculating.
Protection function	Phase loss protection, phase short circuit protection , ground to phase circuit protection , input and output short circuit protection. Stall protection
Protection degree	IP20, Air force cooling (IP54 is optional)
Running mode	MPPT , CVT, variable frequency mode
Altitude	Below 1000m; above 1000m, derated 1% for every additional 100m.
Standard	CCC, CE, IEC

SG600 Solar pump inverter :

- ✓MPPT more than 99% efficiency.
- ✓Solar DC and Grid AC input at same time, hybrid inverter.
- ✓Drives well all kind of pumps, AM, PMSM. 1/3 phase 220v pumps both, submersible and surface pumps both.
- ✓Automatic detect the working DC voltage, no need set manual.
- ✓Lowest stop frequency protection.
- ✓Automatic sleep/wake up function.
- ✓Flow and generated energy calculating and monitoring.
- ✓Dry run, water tank detect, Over/under voltage, ground short circuit, phase loss, over current/load etc.
- ✓RS485 connect Wifi or 4G GPRS remote controller.

