

REVO residential energy storage inverters

G2S series energy storage inverter



Key strengths

- Supports grid-connected and off-grid AC coupling functions
- Support intelligent load management (customized)
- Support three-phase and multi-machine parallel connection
- Support BMS remote upgrade function (customized)

Product family



G2S COLOR SCREEN SERIES



G2S SERIES WITH GENERATOR INPUT



G2S SERIES STANDARD MODEL

.WITHOUT SCREEN

R3KL1-G2S	R4KL1-G2S	R5KL1-G2S	R6KL1-G2S	R3KL1A-G2S	R4KL1A-G2S	R5KL1A-G2S	R6KL1A-G2S
R3K6L1-G2S	R4K6L1-G2S			R3K6L1A-G2S	R4K6L1A-G2S		

.WITH SCREEN

R3KL1D-G2S	R4KL1D-G2S	R5KL1D-G2S	R6KL1D-G2S	R3KL1DA-G2S	R4KL1DA-G2S	R5KL1DA-G2S	R6KL1DA-G2S
R3K6L1D-G2S	R4K6L1D-G2S			R3K6L1DA-G2S	R4K6L1DA-G2S		

DC input

Model	R3KL1-G2S	R3K6L1-G2S	R4KL1-G2S	R4K6L1-G2S	R5KL1-G2S	R6KL1-G2S
	R3KL1A-G2S	R3K6L1A-G2S	R4KL1A-G2S	R4K6L1A-G2S	R5KL1A-G2S	R6KL1A-G2S
	R3KL1D-G2S	R3K6L1D-G2S	R4KL1D-G2S	R4K6L1D-G2S	R5KL1D-G2S	R6KL1D-G2S
	R3KL1DA-G2S	R3K6L1DA-G2S	R4KL1DA-G2S	R4K6L1DA-G2S	R5KL1DA-G2S	R6KL1DA-G2S
Max. power (kW)	4.5	5.4	6	6.9	7.5	9
Start-up voltage (V)	100					
Max.DC voltage (V)	550					
MPPT voltage range/rated voltage (V)	80-500/360					
PV/(Isc) (A)	24/24					
Max.input current of each component (A)	16/16					
No. of MPPT	2					
No.of strings per MPPT tracker	1/1					

AC output

Rated output power (kVA/kW)	3/3	3.68/3.68	4/4	4.6/4.6	5/5	6/6
Max output power (kVA)	3.3	3.68	4.4	4.6	5	6.6
Max. output current (A)	14.3	16	19.1	20	21.7	28.7
Grid voltage/range (Vac)	230/176 ~ 270					
Rate grid frequency (Hz)	50/60					
Power factor	1(0.8leading...0.8lagging)					
THDi	< 3%					
AC grid type	L+N+PE					

Battery

Battery voltage range (V)	40~58					
Max. charging voltage (V)	58					
Max. charge/discharge current (A)	60/60	72/72	80/80	92/92	100/100	120/120
Communication interface	CAN/485					

Emergency power output

Rated power (kVA/kW)	3/3	3.68/3.68	4/4	4.6/4.6	5/5	6/6
Rated output voltage (Vac)	230					
Rated output current (A)	13	16	17.4	20	21.7	26
Rated output frequency (Hz)	50/60					
Automatic switchover time (ms)	≤10					
THDu	<2%					

General data

Battery chage/discharge efficiency	96%					
Max. efficiency	97.2%					
Europe efficiency	97%					
MPPT efficiency	99.9%					
Ingress protection	IP65					
Noise emission (dB)	<35					
Operation temperature (°C)	-25 ~ 60					
Cooling	Natural					
Relative humidity	0 ~95% (Non-condensing)					
Operating altitude (m)	2,000 (>2,000 Derating)					
Dimensions W*D*H (mm)	455*215*385					
Net weight (kg)	20.7					
Isolation transformer	/					
Standby loss (W)	<15					

Display and communication

Display	/					
Communication interface	Yes/Opt/Opt/Yes/Yes					
RS485/Wifi/GPRS/CAN/DRM						