

REVO residential energy storage inverters

G2S series energy storage inverter



Key strengths

- High-resolution color screen makes operation more convenient.
- Hardware improvements have been made to balance heat distribution, significantly reducing overall heat generation.
- Each PV input can handle up to 16A, and the system supports a PV power oversizing of 1.5 times the rated model power.
- New power segments: 8-10kW, offering high capacity in a compact design.
- The system can achieve a maximum power output of 10kW with a peak charge/discharge current of 200A, making it the smallest low-voltage 10kW unit in the industry.

Product family



G2S COLOR SCREEN SERIES			G2S SERIES STANDARD MODEL		
.WITH SCREEN	R8KL1DA-G2S	R10KL1DA-G2S	.WITHOUT SCREEN	R8KL1A-G2S	R10KL1A-G2S

DC input

Model	R8KL1A-G2S	R10KL1A-G2S
	R8KL1DA-G2S	R10KL1DA-G2S
Max. power (kW)	12	15
Start-up voltage (V)	100	
Max. voltage (V)	550	
MPPT voltage range/rated voltage (V)	80-500/360	
PV/(Isc) (A)	24	
Max.input current of each component (A)	16	
No. of MPPT	2	
No.of strings per MPPT tracker	1/2	

AC output

Rated output power (kVA/kW)	8/8	10/10
Max output power (kVA)	8.8	10
Max. output current (A)	38.3	43.5
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)	160/160	200/200
Communication interface	CAN/485	

Emergency power output

Rated power (kVA/kW)	8/8	10/10
Rated output voltage (Vac)	230	
Rated output current (A)	34.8	43.5
Rated output frequency (Hz)	50/60	
Automatic switchover time (ms)	≤10	
THDu	<2%	

General data

Battery chage/discharge efficiency	95.6%	
Max. efficiency	97.2%	
Europe efficiency	96.5%	
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)	0~2000m (Derating over 2000m)	
Dimensions W*D*H (mm)	486×231×530(with generator port)	
Net weight (kg)	25.8	
Isolation transformer	/	
Standby loss (W)	<15	

Display and communication

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