

> KEY STRENGTHS

- Max. 4pcs in parallel.
- Switch time of on / off-grid \leq 10ms.

Compatible with lead-acid and lithium-ion battery .

> APPLICATION AREA





electricity







Nomadic farm



Communication

Adapt to impact load.

L1 series single-phase hybrid inverters support simultaneous input of PV, batteries, DG, power grids, and loads. It has multiple application modes such as self-consume, peak shaving and valley filling, and backup power supply. It supports parallel connection of multiple machines and is suitable for various applications of home energy storage.

REVO Residential Energy Storage Inverters



PV string input

Model	R3KL1	R3K6L1	R4KL1	R4K6L1	R5KL1	R6KL1		
Max. power(kW)	4.6	4.6	6	6	7	7		
Max. DC voltage(V)		550						
MPPT voltage range(V)		125~500						
Max.input current of single MPPT(A)	14							
No. of strings per MPPT trackers		1/1						

AC output

Model	R3KL1	R3K6L1	R4KL1	R4K6L1	R5KL1	R6KL1	
Rated output power(kVA)	3	3.68	4	4.6	5	6	
Rated output current(A)	13	16	17.4	20	21.7	26	
Grid voltage/range(V)	230/176~270						
Rate grid frequency (Hz)	50 / 60						
Power factor	0.99leading-0.99lagging						
THDi	<2%						
AC grid type	L+N+PE						

Battery

Model	R3KL1	R3K6L1	R4KL1	R4K6L1	R5KL1	R6KL1		
Battery voltage range(V)		40~58						
Max. charging voltage(V)		58						
Max. charge/discharge current(A)	95/62.5	95/76.6	95/83.3	95/95.8	95/104.2	95/110		
Battery type			Lithium /	_ead-acid				
Communication interface			CA	۸N				

EPS output

Model	R3KL1	R3K6L1	R4KL1	R4K6L1	R5KL1	R6KL1		
Rated power (kVA)	3	3.68	4	4.6	5	6		
Rated output voltage(V)		230						
Rated output current(A)	13	16	17.4	20	21.7	26		
Rated frequency (Hz)		50 / 60						
Automatic switchover time (ms)		<10						
THDu		<2%						
Overload capacity			110%, 30S/120%,	10S/150%, 0.02S				

General data

Model	R3KL1	R3K6L1	R4KL1	R4K6L1	R5KL1	R6KL1	
Battery chage/dischage efficiency	95.0%						
DC Max. efficiency	97.6%						
Europe efficiency			97.	0%			
MPPT efficiency			99.	9%			
Ingress protection			IP	65			
Noise emission (dB)		<40					
Operation temperature (°C)	- 25∼ 60 (Derating at 45°C)						
Cooling	Natural						
Relative humidity	0~95% (non-condensing)						
Operating altitude			2,000m(>2,0	000 Derating)			
Dimensions W * D * H (mm)	550*200*520						
Net weight (kg)	25						
Topology	Non-isolated						
Self-consumption at night (W)	15~25						

Display and communication

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Model	R3KL1	R3K6L1	R4KL1	R4K6L1	R5KL1	R6KL1	
Display	LCD						
Interface:RS485/Wifi/4G/CAN/DRM	Yes/ Opt/ Opt/ Yes/Yes						
Safety standard	IEC/EN62109-1/-2						
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-3						
On-grid	South Africa NRS097-2-1:2017, UK G98,G99,EN 50549-1,Italy CEI 0-21, Germany VDE4105,IEC61727/62116/61683, Sweden EIFS 2018: 2						