MEGAREVO

REVO residential energy storage inverters

Three-phase hybrid inverter



KEY STRENGTHS

- Supports 20A high-current PV string input.
- Max. charge / discharge current up to 350A.
- Supports 100% unbalanced load in three-phase operation.
- Supports parallel operation of multiple units.
- Supports diesel generator connection for seamless grid-to-gen set transfer.

Model	R8KL3	R10KL3	R12KL3	R16KL3	R20KL3
PV input data					
Max. power (kW)	12	15	18	24	30
Start-up voltage (V)	150				
Max. PV voltage	1,000				
MPPT voltage range (V)	150~850				
Rated voltage (V)	550				
Max. short-circuit current per MPPT (A)	30 / 30			50 / 50	
Max. input current per MPPT (A)	20 / 20			40 / 40	
No. of MPPT trackers	2				
No. of strings per MPPT trackers	1 / 1			2 / 2	

sales@megarevo.com.cn

www.megarevo.com

Model	R8KL3	R10KL3	R12KL3	R16KL3	R20KL3
AC output data (on-grid)					
Rated output power (kW)	8	10	12	16	20
Max. AC output power (kVA)	8.8	11	13.2	17.6	22
Rated output current (A)	11.5	14.4	17.3	23.1	28.9
Rated grid voltage (V)	220 / 380; 230 / 400				
Grid voltage range (V)	340~440				
Rated grid frequency (Hz)	50 / 60				
Grid frequency range (Hz)	45-55 / 55-65				
THDi	< 3% (Linear load)				
Grid type	3W+N+PE				
AC output data (off-grid)					
Rated output power (kW)	8	10	12	16	20
Max. AC output power (kVA)	8.8	11	13.2	17.6	22
Rated output voltage (V)	220 / 380; 230 / 400				
Rated output current (A)	11.5	14.4	17.3	23.1	28.9
Max. output current (A)	12.7	16	19.1	25.4	31.8
Rated output frequency (Hz)	50 / 60				
Peak output power	2 time of rated power, 10S				
Back-up switch time (ms)	Up to 10 ms				
THDu	3%(Normal linear load)				
Max. continuous pass-through current (A)	50				
Unbalanced load capability	100% unbalanced output supported, Max. output power per phase: 50% of the rated power				
Battery data					
Battery voltage range (V)	40~60				
Max. charging voltage (V)	60				
Max. charging / discharging current (A)	160 / 160	200 / 200	240 / 240	300 / 300	350 / 350
Communication interface	CAN / RS485				
Efficiency					
Max. efficiency	97.5%				
European efficiency	97.0%				
MPPT efficiency	> 99%				
Protection					
PV reverse polarity protection	Supported				
PV input DC switch	Supported				
DC / AC surge protection	DC Type II / AC Type III				
Insulation resistance	Supported				
AC output short-circuit protection	Supported				
Grid monitoring	Supported				
Anti-islanding protection	Supported				
Arc fault detection	Optional				
General data					
Dimensions W*D*H (mm)	420*262*700				
Weight (kg)	35			40	
Ingress protection	IP65				
Noise emission (dB)	<50				
Operating temperature range (℃)	-25~+60(>45 power derating)				
Cooling	Forced air cooling				
Operating altitude (m)	3000(>2000 power derating)				
Inverter topology	Non-Isolated				
Self-consumption (W)	<15				
Display	LCD				
Communication	RS485 / Wifi / CAN				