

REVO residential energy storage inverters

# Split-Phase hybrid inverter

Battery high voltage



## KEY STRENGTHS

- Match mainstream batteries automatically.
- Support remote software upgrade.
- 200A pass through, Capable of supporting 100% unbalanced loads.
- UL certified, breaker integrated
- Support battery sharing
- Support compatibility two independent battery string

Model	R16KH2NA	R18KH2NA	R20KH2NA	R22KH2NA	R24KH2NA
<b>PV input data</b>					
Max. PV input power (kW)	24	27	30	33	36
Max. PV input voltage (V)			500		
Min. PV input voltage (V)			120		
Start-up voltage (V)			120		
MPPT voltage range (V)			120~500		
MPPT voltage range@full-load (V)			150~430		
Rated PV input voltage (V)			310		
No. of MPPT trackers			4		
No. of strings per MPPT tracker			2/2/2/2		
Max. input current per MPPT (A)			32/32/32/32		
Max. short-circuit current per MPPT (A)			44/44/44/44		

**Battery input data**

Battery type	Lithium-ion / Lead-acid				
Max. charge / discharge power (kW)	16	18	20	22	24
Battery voltage range (V)	120~400				
Battery voltage range@full-load (V)	160-400	180-400	200-400	220-400	240-400
Max. charging / discharging current (A)	50+50 / 50+50				
Rated charge / discharge current (A)	50+50 / 50+50				
Power factor	0.8 leading - 0.8 lagging				
Battery charging strategy	Self-adaption to BMS				
BMS communication	CAN				

**AC output data (grid side)**

Rated output power (kW)	16	18	20	22	24
Max. apparent output power (kVA)	16	18	20	22	24
Max. apparent input power(kVA)	16	18	20	22	24
Rated grid voltage (V)	120/240				
Grid voltage range (V)	211~264				
Grid input voltage (V)	240				
Rated grid frequency (Hz)	60				
Grid frequency range(Hz)	58.8~61.2				
Rated output current (A)	66.6	75	83.3	91.6	100
Max. AC output current (A)	66.6	75	83.3	91.6	100
Max. apparent input current (A)	66.6	75	83.3	91.6	100
Max. grid passthrough current(A)	200				
Grid type	L1/L2+N+PE				

**AC output data (load side)**

Rated output power (kW)	16	18	20	22	24
Max. apparent output power (kVA)	16	18	20	22	24
Max. apparent input power(kVA)	16	18	20	22	24
Rated output voltage (V)	120 / 240				
Rated output frequency (Hz)	60				
Rated output current (A)	66.6	75	83.3	91.6	100
Max. AC output current (A)	200				
Back-up switch time (ms)	<20				

**Protection**

Supported protection	PV reverse polarity protection, Anti-islanding protection, Ground fault protection, Battery reverse protection, Leakage current protection, Insulation resistance detection, Backup output short circuit protection, Arc fault protection, AC output over-current protection
Surge protection	DC Type II / AC Type II
Over voltage category	DC Type II / AC Type III

**General data**

Ingress protection	IP65
Operating temperature range (°C)	-25~+60
Cooling	FAN cooling
Relative humidity	0-85%
Operating altitude (m)	/
Dimensions W*D*H (mm)	/
Weight (kg)	/
Topology (solar / battery)	Transformerless / Transformerless
Noise emission (dB)	/

**Display and communication**

Display	Touch panel
Communication	RS485,CAN,WIFI,4G