

N2 series energy storage inverter



KEY STRENGTHS

- Using soft switching technology, the overall machine efficiency is increased by 0.5%.
- Support AC coupling function.
- Support mobile phone (Bluetooth +WIFI) setting and maintenance.
- Compact design Save 50% on installation costs.
- Suitable for the latest 210mm high-power PV panel (Isc=18.5A).
- Ultra-low starting voltage, longer power generation time.



N2 COUPLER SERIES



N2 SERIES WITH GENERATOR INPUT



N2 SERIES STANDARD MODEL

. WITHOUT SCREEN

3KL1-AC	4KL1-AC	R5KL1-AC	R8KL1-AC	R3KL1-G2	R4KL1-G2	R5KL1-G2	R8KL1-G2
3K6L1-AC	4K6L1-AC	6KL1-AC		3K6L1-N2	4K6L1-N2	6KL1-N2	

. WITH SCREEN

3KL1D-AC	4KL1D-AC	5KL1D-AC	8KL1D-AC	3KL1DA-N2	4KL1DA-G2	5KL1DA-N2	8KL1DA-N2	KL1D-N2	4KL1D-N2	5KL1D-N2	8KL1D-N2
3K6L1D-AC	4K6L1D-AC	6KL1D-AC		3K6L1DA-N2	4K6L1DA-N2	6KL1DA-N2		3K6L1D-N2	4K6L1D-N2	6KL1D-N2	

Reno residential energy storage inverters



PV string input

Model	3KW1-N2	3K6L1-N2	4KL1-N2	4K6L1-N2	5KL1-N2	6KL1-N2	8KL1-N2
	3KW1D-N2	3K6L1D-N2	4KL1D-N2	4K6L1D-N2	5KL1D-N2	6KL1D-N2	8KL1D-N2
	3KW1DA-N2	3K6L1DA-N2	4KL1DA-N2	4K6L1DA-N2	5KL1DA-N2	6KL1DA-N2	8KL1DA-N2
Max. Input power (kW)	4.5	5.4	6	6.9	7.5	9	12
Start-up voltage (V)	100						
Max. PV input voltage (V)	550						
MPPT range/nominal (V)	80~500/360						
Max.input current of single MPPT (A)	16/16						16/32
Max. short-circuit current (A)	18.5/18.5						18.5/37

AC output

Model	3KL1-AC	3K6L1-AC	4KL1-AC	4K6L1-AC	5KL1-AC	6KL1-AC	8KL1-AC
	3KL1D-AC	3K6L1D-AC	4KL1D-AC	4K6L1D-AC	5KL1D-AC	6KL1D-AC	8KL1D-AC
	3KL1-N2	3K6L1-N2	4KL1-N2	4K6L1-N2	5KL1-N2	6KL1-N2	8KL1-N2
	3KL1D-N2	3K6L1D-N2	4KL1D-N2	4K6L1D-N2	5KL1D-N2	N6KL1D-N2	8KL1D-N2
	3KL1DA-N2	3K6L1DA-N2	4KL1DA-N2	4K6L1DA-N2	5KL1DA-N2	N6KL1DA-N2	8KL1DA-N2
Rated power (kW)	3	3.68	4	4.6	5	6	8
Max. AC current output to grid (A)	14.3	16	19.1	20	21.7	28.7	38.3
Nominal voltage/range (V)	230 /176~270						
Frequency (Hz)	50 /60						
Power factor	1(0.8 leading-0.8 lagging)						
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	160/160
Battery type	Lithium /Lead-acid						
Communication Interface	CAN/RS485						
Max.battery output power/ duration(kW/min)	/						8/20

EPS output

Rated power (kW)	3	3.68	4	4.6	5	6	8
Rated voltage (V)	230						
Max. AC current output to grid (A)	14.3	16	19.1	20	21.7	28.7	38.3
Rated frequency (Hz)	50 / 60						
Automatic switchover time (ms)	<10						
THDu	<2%						
Overload capacity	110%, 60S/ 120%, 30S/ 150%, 10S						

General data

Battery chage/dischageefficiency	96%						
PV Max. efficiency	98%						
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)	With Generator:454.5*220*499.7 / Without Generator:454.5*220*467						With Generator:484.5*220*499.7 Without Generator:484.5*220*467
Net weight (kg)	19 (20 With Generator Input)						22(23 Standard Model)
Topology	Non-isolated						
Standby loss(W)	<15						
Display	Optional (colorful touch screen /no screen)						
Interface:RS485/Wifi/4G/CAN/DRM	Yes/Opt/Opt/Yes/Yes						