

• **Namkoo**
NK-SEVO Series / North American split-phase inverter-110V-120V/220V-240V



Features

- Plug & Play
- 200A pass through
- Capable of supporting 100% unbalanced loads
- 3 phase 208Vac & parallel function available
- AC couple to retrofit existing solar system(on-grid & off-grid)
- Grid & diesel generator separately connected, support storing energy from diesel generator

MODEL	NK-R6KLNA	NK-R8KLNA	NK-R10KLNA	NK-R12KLNA	NK-R16KLNA
PV Input					
Max.DC input power (kW)	9	12	15	18	24
Max. PV voltage (V)	500				
MPPT voltage range (V)	120~430/120~500				
Min. input voltage/start-up voltage (V)	125/180				
Max. input current per MPPT (A)	14			16	20
Max. short-circuit current (A)	22			22	25
No. of MPPT trackers	4				
AC Output(on grid)					
Nominal output power to grid (kVA)	6	8	10	12	16
Max. apparent power to grid (kVA)	6.6	8.8	11	13.2	16
Nominal output current to grid (A)	25	33.3	41.7	50	66.7
Max.output current to grid (A)	27.5	36.7	45.8	55	73.3
Nominal output voltage (L/N)(L/L)(V)	120/240				
Nominal grid frequency (Hz)	60(55 to 65)				
THDi	<3%				
Battery					
Max.charging /discharging current (kW)	135/135	190/190	190/210	250/260	260/280
Nominal voltage (V)	48				
Battery voltage range (V)	40~58				
Battery type	Lithium /Lead acid				
EPS output					
Nominal output power to grid (kVA)	6	8	10	12	13
Max. apparent power to grid (kVA)	6.6	8.8	11	12	13.2
Nominal output voltage (L/N)(L/L)(V)	120/240				
Nominal grid frequency (Hz)	60(55 to 65)				
Output power factor	0.8leading~0.8lagging				
THDi	<2%				
General data					
Mppt efficiency	99.9%				
Europe efficiency(PV)	96.5%			96.2%	
Max. battery to load efficiency	95.2%			94.6%	
Ingress protection	IP65/NEMA 3R				
Operating temperature range (°C)	-25~+60				
Relative humidity	0~95%				
Operating altitude (m)	4,000 (>2,000 Derating)				
Dimensions W*H*D (mm)	450*820*240			495*900*260	
Weight (kg)	48(50 with breaker)			55(56 with breaker)	
Self-consumption at night (W)	<25				
Cooling	FAN				
Noise emission (dB)	≤38			≤48	
HMI	LCD or Touch panel; APP			Touch panel; APP	
BMS/EMS/Meter	RS485/CAN				
Supported communication interface	RS484,WIFI,4G(optional)				
Support diesel generator	Yes				
Safety standard	UL1741SA all options, UL1699B, CSA 22.2				
EMC	FCC part 15 class B				
Grid connection standards	IEEE 1547, IEEE 2030.5,Rule 14H, Rule 21 phase I,II,III				