

Namkoo
NK-TEVO Series / AC Three-phase Inverter-380V



Features

- Support BMS (non-standard) remote upgrade
- Compatible with single-phase and three-phase loads
- Support full power discharge, automatic battery charge and discharge management
- Capable of supporting 100% unbalanced loads

MODEL	NK-R6KH3	NK-R8KH3	NK-R10KH3	NK-R12KH3	NK-R15KH3
PV Input					
Max.PV input power (kW)	9	12	15	18	22.5
Max. PV voltage (V)	1000				
MPPT voltage range (V)	180~850				
Full power MPPT voltage range (V)	250~850	330~850	430~850	510~850	620~850
Min. input voltage/start-up voltage (V)	125/180				
Max. input current per MPPT (A)	13/13				
Max. short-circuit current (A)	16/16				25/25
No. of MPPT trackers	2				
No. of strings per MPPT trackers	1/1				2/2
Rated PV input voltage (V)	700				
AC Output					
Nominal output power to grid (kVA)	6	8	10	12	15
Max. apparent power to grid (kVA)	6.6	8.8	11	13.2	16.5
Max. apparent power from grid (kVA)	13.2	17.6	22	26.4	33
Max. apparent current from grid (A)	19.1	25.5	31.8	38.2	47.6
Nominal output current to grid (A)	8.7	11.5	14.4	17.3	21.7
Max. Output current to grid (A)	9.5	12.7	15.9	19.1	23.8
Nominal grid voltage (V)	380/400,3W+N+PE				
Nominal grid frequency (Hz)	50/60				
THDi	<3%				
Battery					
Max.charging /discharging power (kW)	6.6	8.8	11	13.2	16.5
Battery voltage range (V)	125~600				
Battery optimal operating voltage range (V)	150~550				
Max.charging /discharging current (A)	50				
Rated.charging /discharging current (A)	40				
Battery type	Lithium / Lead acid				
Communication interface	CAN				
EPS output					
Nominal output power (kVA)	6	8	10	12	15
Max. apparent power (kVA)	6.6	8.8	11	13.2	16.5
Nominal output current (A)	8.7	11.5	14.4	17.3	21.7
Max.output current (A)	9.5	12.7	15.9	19.1	23.8
Nominal output voltage (V)	380/400,3W+N+PE				
Nominal output frequency (Hz)	50/60				
THDu	<2%				
Max.efficiency	97.9%	97.9%	98.2%	98.2%	98.5%
Europe efficiency	97.2%	97.2%	97.5%	97.5%	97.6%
MPPT efficiency	≥99.5%				
Max.battery charge/discharge efficiency	97.5%	97.5%	97.5%	97.6%	97.8%
General Data					
Ingress protection	Ip65				
Operating temperature range (°C)	-25~60				
Relative humidity	0~95%				
Operating altitude (m)	2,000 (>2,000 Derating)				
Dimensions W*H*D (mm)	566*596*220				
Net weight (kg)	32				
Self-consumption at night (W)	<15				
Cooling	Natural				
Noise emission (dB)	≤35				
EMC	IEC/EN 61000-6-1:2019, IEC/EN 61000-6-2:2019,IEC/EN 61000-6-3:2021, IEN/EN 61000-6-4:2019, IEC/EN 61000-3-2:2019/A1:2021, EN 61000-3-3:2013/A2:2021,IEC/EN 61000-3-11:2019, EN 61000-3-12:2011				
Safety standard	IEC/EN62109-1:2010, IEC/EN62109-2:2011				