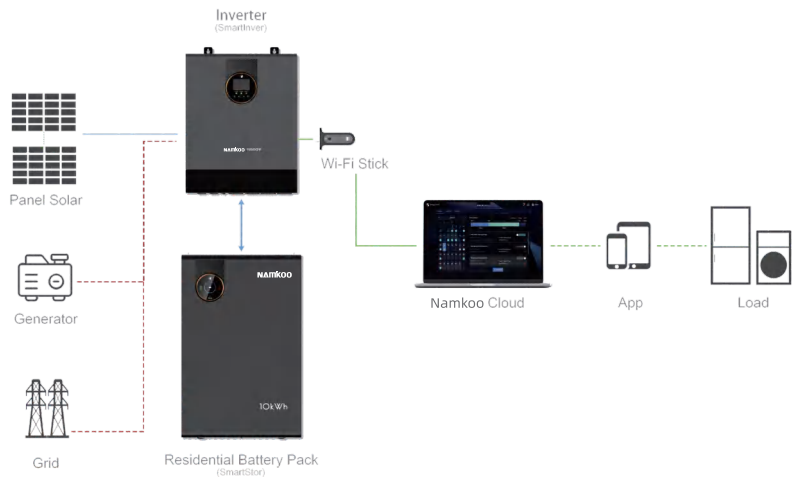


- Namkoo
NK-Smartinver / Three Phase Inverter



Features

- 100% three-phase unbalanced output
- High voltage battery high efficiency
- 6 configurable charging and discharging time periods
- Ingress protection rating is IP65,the warranty period is 5 years



MODEL	TH-20K-EP1		TH-30K-EP1	
Rated Output Power	20kVA/20kW		30kVA/30kW	
Parallel	Yes, 10 units			
AC Input(Grid)				
Rated Input Voltage	3L/N/PE 230/400Vac			
Voltage Range	170~280Vac (UPS); 90~280Vac (Appliances)			
Frequency Range	40~65Hz			
Maximum Bypass Load Current	50A		70A	
Maximum Charge Current	120A			
Load Output				
AC Voltage	3L/N/PE 220/380Vac230/400Vac			
Output Frequency	50/60Hz			
Maximum Power	22000W		33000W	
Maximum Efficiency	97.6%			
European weighted efficiency	97.6%			
Overload Protect	10S@≥ 150% Load; 60S@110%~150% Load			
Transfer Time	10ms(UPS); 20ms(Appliances)			
Battery				
Battery Voltage	150~800Vdc(Lithium)			
Maximum Charge Current(AC+PV)	37A		50A+50A	
Maximum Discharge Current	37A		50A+50A	
Number of Channels	1		2	
PV Array				
Maximum Open Circuit Voltage	1000VDC			
Maximum PV Power	40000W		60000W	
MPPT Voltage Range	150VDC~850VDC			
Maximum Input Current	26A+26A		36A+36A+36A	
Maximum PV Charge Current	99.9%			
General Specifications				
Dimensions H x W x D	408x638x237 mm		527*894*294mm	
Net Weight	30.5kG		80kG	
Communication	RS232/CAN/Dry connection			
Cooling	Fan Cooling			
Maximum Operation Altitude	4000m (Derating from> 3000m)			
Noise	≤55dB		≤65dB	
Ingress Protection Rating	IP65			
Operation Humidity	5% ~95% Relative humidity (No Condensation)			
Storage Temperature Range	-45℃~60℃			
Operating Temperature Range	-40℃~60℃			
Warranty	5 Year			