

20KVA off grid single phase inverter technical parameters

Type	NB48-20KDZ	NB96-20KDZ	NB120-20KDZ	NB240-20KDZ	
DC input	Input rated voltage	48 V _{DC}	96 V _{DC}	120 V _{DC}	240 V _{DC}
	Input rated current	463 A	231 A	185 A	93 A
	Input DC voltage range	40-62 V _{DC}	80-124 V _{DC}	100-155 V _{DC}	200-310 V _{DC}
AC input (AC Bypass)	Allow input voltage range	110 V _{AC} / 120 V _{AC} / 220 V _{AC} / 240 V _{AC} ± 15% V _{AC}			
	Input rated current	182A / 167A / 91 A / 83A			
	Bypass transfer time	≤100 ms (Can be customized ≤ 4ms version)			
AC output	Rated capacity	20KVA			
	Output rated power	16KW			
	Output rated voltage and frequency	110 V _{AC} / 120 V _{AC} / 220 V _{AC} / 240 V _{AC} , 50Hz / 60Hz			
	Output rated current	182A / 167A / 91 A / 83A			
	Output voltage accuracy	110 V _{AC} / 120 V _{AC} / 220 V _{AC} / 240 V _{AC} ±1%			
	Output frequency accuracy	50Hz / 60Hz ± 0.05%			
	Waveform distortion (THD). (Linear load)	≤3%			
	Dynamic response time (Load 0→100%)	2ms			
	Power factor (PF)	0.8			
	Overload capacity	110%,3 minutes,150%,5 seconds			
	Crest factor (CF)	3:1			
	Inverter efficiency	96%			
Working Environment	Dielectric strength	1500VAC,1minute			
	Noise (1m)	≤50dB			
	Ambient temperature	-10°C~+50°C			
	Humidity	0~90%, No condensation			
	Altitude	< 2000m (Higher than 2000m rated power should be reduced)			
Production function	Input reverse protection, input under-voltage protection, output overload protection, output short circuit protection, thermal protection				
Equipped with isolated transformer	Yes				
Pure Sine Wave	Yes				
AC Charger	Available, optional				
Solar Battery Charger	Available, optional				
Dry Contact	Available. optional				
Size	450×800×1000mm				
Weight	200kg				

