50KVA off grid three phase inverter technical data sheet

Type		NB480-50KSZ	NB380-50KSZ
DC input	Input rated voltage	480 V_{DC}	380 V_{DC}
	Input rated current	115 A	146 A
	Input DC voltage range	400-620 V_{DC}	320-496V_{DC}
AC input (AC Bypass)	Allow input voltage range	220 V_{AC} / 380 V_{AC} / 400 V_{AC} ± 15% V_{AC}	
	Input rated current	139A / 76A / 72.5A	
	Bypass transfer time	≤100 ms (Can be customized ≤ 4ms version)	
AC output	Rated capacity	50KVA	
	Output rated power	40KW	
	Output rated voltage and frequency	220 V_{AC} / 380 V_{AC} / 400 V_{AC} , 50Hz / 60Hz	
	Output rated current	139A / 76A / 72.5A	
	Output voltage accuracy	220 V_{AC} / 380 V_{AC} / 400 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℃~+50℃	
	Humidity	0~90%,No condensation	
	Altitude	< 2000m (Higher than 2000m rated power should be reduced)	
Pure Sine Wave		Yes	
Equipped with copper transformer		Yes	
If solar charger available		Yes	
AC Charger		Optional	
RS485		Optional	
Production function	Input reverse protection, input under-voltage protection, output overload protection, output short circuit protection, thermal protection		
Size(mm)	660*1300*1600mm		
Weight(kg)	450kg		