communicate and long distance monitor.

2.3. Technical parameters

2.3.1. Three phase input,Three phase output Hybrid solar inverter series:

Model、Speicifications		TYN33-10K	TYN33-20K	TYN33-30K	TYN33-40K	TYN33-50K	TYN33-60K	TYN33-80K	TYN33-100K	TYN33-120K	TYN33-160K	TYN33-200K	TYN33-300K	TYN33-400K
Nominal capacity (KVA)		10	20	30	40	50	60	80	100	120	160	200	300	400
Grid	Max input current	21	41	61	81	101	121	162	202	242	323	404	606	808
	type	3 phase +N+G												
	Line-Neutral voltage	220/230VAC±25%												
	line-line voltage	380/400VAC±25%												
	Input frequency	50/60Hz±5%												
	Charge voltage	432V±1%												
	Charge current	＜20%*Inverter capacity												
PV	PV input	Open circuit voltage:560VDC~800VDC												
	MPPT controller output voltage	438V												
	Maximum output current（A）	50		100		150		200	300		500	600	800	1000
	Number of PV Input	1		2		3		4	6		10	12	16	20
	Controller installation mode	Built-in controller									External controller			
Battery	type	maintenance free lead-acid battery（other type battery need customize）												
	Battery voltage	384V（2V battery 192pcs in serial or 12V battery 32pcs in serial）												
	Battery capacity	According to backup time												
	Battery low voltage protection	>336V												
inverter	inverter output waveform	Pure sine wave, THD<3%(linear load)												
	Line-Neutral	220/230VAC±2%												

	voltage											
	line-line voltage	380/400VAC±2%										
	Input frequency	50/60Hz±0.5%										
	Dynamic feature	inverter output transient dynamic range less than±5%, recovery time <20mS										
	Crest factor	3:1										
	Overload protection	(inverter output) overload 100% delay 10mins protect, overload 110% delay 1mins protect , overload 125% immediate protect										
	inverter effiency	>88% (100% load)			>90% (100% load)							
System parameter	Transfer time	<0.5ms (inverter--bypass)										
	Rated power	Nominal capacity*0.8 (KW)										
	protection	Output shortcircuit,overload,overvoltage,undervoltage, over temperature, etc protection, have audible and visual alarm										
	display	LCD display input and output voltage, output current, the inverter voltage, frequency, output current, battery voltage, PV voltage, PV charging current, temperature mode, flowcharts, current work status, event record and system information										
	Operating environment	Temperature 0—40℃										
	Relative humidity	30%—95%										
	Operation altitude (max)	<1000 meters (per increase 100 meters power decrease 1%, at most 4000 meters)										
	computer communicate interface	RS232/RS485										
	Cooling method	force-air cooling										
	Size W×D×H (unit : mm)	600×620×1250			700×620×1530		980*800*1800			1980*950*1800			2600*1200*1900
	Weight (kg)	236	265	342	407	506	800	950	980	1440	1760	2800	3600

**All the above parameters are reference only, any difference please refer to the actual Hybrid Solar Inverter.*

when the temperature is higher than 40 ℃,the inverter power must be deduced/you should decrease your load!