

Hybrid Inverter Technical Parameters

	HY1.5-ZX-03	HY2.0-ZX-03	HY2.5-ZX-03	HY3.0-ZX-03	HY3.6-ZX-03	HY4.0-ZX-03	HY5.0-ZX-03
Input(DC)							
Max.DC Power	1600W	2100W	2650W	3150W	3800W	4200	5200W
Max.DC Voltage	700V						
PV Voltage range, MPPT	150V - 550V						
Max.input current	10.7A	14.0A	17.7A	21.0A	25.3A	28.0A	34.7A
Number of MPP trackers	1	1	1	2	2	2	2
Max.number of strings (parallel)	1	2	2	2	2	2	2
Output(AC)							
Nominal AC power / Max AC power	1500W/1500W	2000W / 2000W	2500W / 2500W	3000W / 3000W	3600W / 3600W	4000W/4000W	5000W/ 5000W
Max.output current	12.4A	12.4A	14.2A	16.0A	20.0A	21.0A	30.0A
Nominal AC Voltage / range	120/208/220/230/240±15%			208/220/230/240±15%			
AC grid frequency / range	47.5 – 50.2Hz / 59.3 – 60.5Hz						
Power factor	1						
THD	<3%						
AC connection	Single-phase						
Battery							
Nominal battery voltage	96Vdc(12Vdc a pack)			144 V(12V a pack)			
Battery voltage range	82~126 Vdc			123~189 Vdc			
Charge curve	CC,CV,FC,3-stage adaptive with maintenance						
Efficiency							
Max Efficiency	>97.0%						
MPPT Efficiency	>99.0%						
Protection devices							
DC reverse polarity protection	ü						
AC short-circuit protection	ü						
Ground fault monitoring	ü						

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Grid monitoring	ü						
Output Transient Voltage Suppression	ü						
Over load	ü						
Anti-islanding	ü						
General data							
Dimensions (W/H/D) in mm	370 / 600 / 160	370 / 600 / 160	370 / 600 / 160	370 / 600 / 160	370 / 600 / 160	370 / 600 / 160	370 / 600 / 160
Weight (kg)	20	20	20	20	22	22	22
Operating temperature range(°C)	-20 ~ +55						
Storage temperature range(°C)	-40 ~ +70						
Ambient humidity	0~95%						
Consumption (night)	< 2W						
Topology	HF-transformer						
Cooling concept	Convection			Convection/Fan (For option)			
Enclosure type	IP65						
Features							
DC connection: PV special connector	ü						
AC connection: connector	ü						
LCD display & Backlit	ü						
LED display	ü						
Interfaces: RS485	ü						
Warranty: 10 years	ü						
Certificates & approvals	TUV SAA ETL						