

Specifications	
Model	KY-1Hybrid-5k0-H
PV input	
Vmax PV	550V d.c.
Isc PV (absolute Max.)	15A/15A
Max PV input power	7000W
Number of MPP trackers	2
Number of input strings	1/1
Max. PV input current / string	12A/12A
MPPT voltage range	120-500Vdc
Vdc range @ full power	250-500Vdc
Battery (input and output)	
Max Input/Output Voltage	450V
Operating Voltage Range	85V ~450V (self-adapt)
Max charge/discharge Current	25A/25A
Max Input/Output Power	5000W/5000W
Battery Type	Li-ion (LFP) / Lead-Acid
AC Grid (input and output)	
Normal Voltage	230VAC, 1φ (L/N/PE)
Frequency	50Hz
Max. continuous input/output current	21.7A
Max. continuous output Power	5000W
Max. continuous output Power	5000VA
Power factor and PF range	>0.99 (-0.8~+0.8)
Off-Grid AC Output (Backup AC output)	Maybe work at stand-alone mode
Normal Voltage	230VAC, 1φ (L/N/PE) (N not connect PE inside)
Frequency	50Hz
Nominal Output Current	21.7A
Nominal Output Power	5000W
Nominal Output Power	5000VA
others	
Protective class	Class I
Ingress protection	IP 65
Working temperature	-25℃ to 60℃ (derating 45℃)
Overvoltage category	OVC II(PV) (Battery) , OVCIII(AC main Grid)
Humidity	4% ~ 95 % no condensation
Isolation	Transformerless
Condition	Outdoor unconditioned
Dimensions	390*500*185mm

Weight	18kg
Country of origin	Made in China