



Single Phase Hybrid Inverter

HI-6K-SL

≤ 10ms

Switching Time

20kg

Weight

48VDC

Low Battery Voltage

5-year

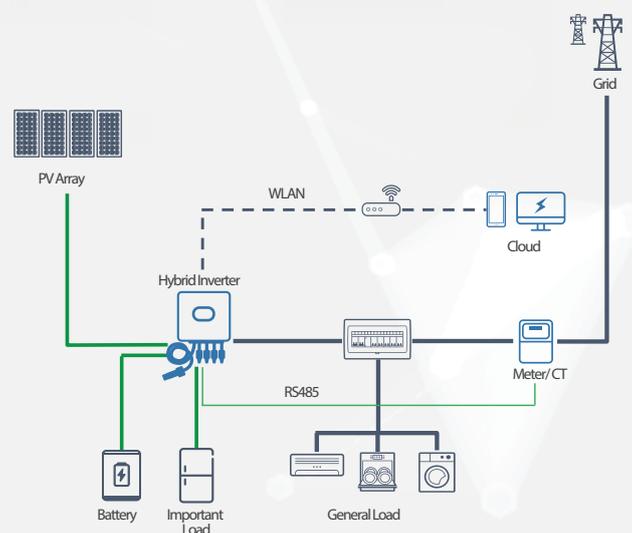
Standard Warranty

IP65

Alloy Enclosure

PV Capacity

9000Watt



Technical Data	HI-6K-SL
PV String Input Data	
Max. DC input power	9000W
Max. DC input voltage	550V
Nominal input voltage	360V
MPPT working voltage range	90V-550V
Number of independent MPPT/strings per MPPT	2/1
MPPT max. current	15A/15A
Start-up voltage	150V
AC Output/Input Data (On-grid)	
Nominal output apparent power	6000W
Max. output apparent power	6600VA
Nominal output voltage	230V/190V-265V
Nominal output frequency	50Hz/60Hz
Rated output current	26A
Max. output current	29A
Power factor	-0.8~+0.8 (adjustable)
THDi	<3%(Nominal Output)
Grid system pattern	L+N+PE
Max.apparent power from utility grid	11000VA
Max.AC current from utility grid	48A
Back-up Output Data (UPS)	
Nominal output apparent power	6000VA
Max. output apparent power	7000VA,10s
Nominal output voltage	208V,220V,230V,240V
Nominal output frequency	50Hz/60Hz
Output THDV	<3%
Automatic switch time	<10ms
Battery Input Data	
Battery type	Li-ion/Lead-acid
Battery voltage range	42V~59V
Max. charging/discharging current	100A
Charging strategy for Li-ion battery	Self-adaption to BMS
Efficiency	
Max. efficiency	98%
Europe efficiency	97.5%
Max. battery to load efficiency	94%
Protection	
Anti islanding protection	Yes
Insulation impedance protection	Yes
RCD detection	Yes
P V reverse polarity protection	Yes
Output over voltage protection	Yes
Output over current protection	Yes
General Data	
Dimensions(L/W/H)in mm	375/250/363
Weight	20kg
Operation temperature range	-25°C~60°C
Heat dissipation mode	Natural
IP Class	IP 65
Maximum altitude	4000m
Self-Consumption night	<3W
Features	
LCD display	Yes
Communication interface	WiFi/4G/USB/CAN/RS485