HiSEL

powering the world to a sunnier future



Single Phase Hybrid Inverter

HI-6K-SL

≤ 10ms
Switching Time

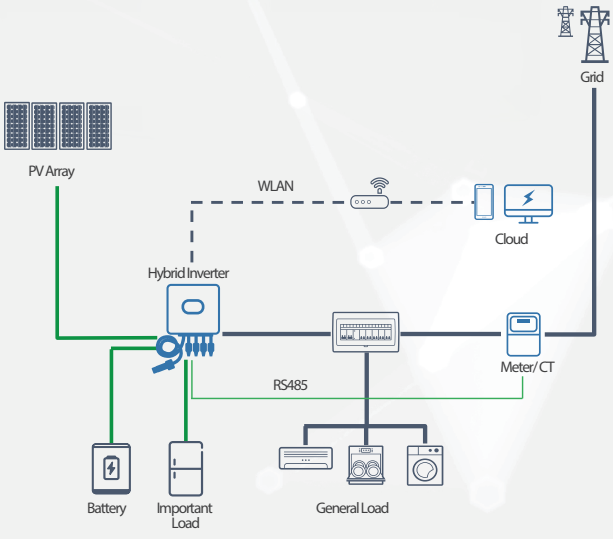
20kg
Weight

48 V DC
Low Battery Voltage

5 -year
Standard Warranty

IP65
Alloy Enclosure

PV Capacity
9000Watt



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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 ouput 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℃~60℃
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

The specifications and key features contained in this datasheet may deviate slightly from our actual products due to on-going innovation and product enhancement. HiSEL Power Corporation reserves the right to make necessary adjustment to the information described herein at any time without notice.

Caution: For professional use only. The installation and handling of PV equipment requires professional skills and should only be performed by qualified professionals. Please read the safety and installation instructions before using the product.