

Single-phase
Hybrid Inverter
HI-7~10K-SL2



-  Equipped with GEN port, compatible with diesel generators, smart loads, and AC coupling.
-  Color touch screen (4.3/7" optional).
-  Integrated 0-export function.
-  Compatibility with lead-acid and Li-ion batteries, supports various brands of lithium batteries.
-  Supports PV array input up to 160% of rated inverter power.
-  Low startup voltage threshold, wide operating voltage range.



Technical Data	HI-7K-SL2	HI-8K-SL2	HI-9K-SL2	HI-10K-SL2
Input DC (PV side)				
Max. PV access power	14kW	15kW	18kW	20kW
Max. PV input power	11.2kW	12.8kW	14.4kW	16kW
Max. PV input voltage	550V			
Nominal input voltage	360V			
MPPT working voltage range	80-500V			
Number of independent MPPT / strings per MPPT	2/2			
MPPT max. current	36A/36A			
Start-up voltage	120V			
Output/Input AC (Grid side)				
Nominal apparent power	7kW	8kW	9kW	10kW
Max. apparent power	7.7kVA	8.8kVA	9.9kVA	11kVA
Nominal voltage	220V/230V			
Nominal frequency	50Hz/60Hz			
Rated current	31.8A/30.4A	36.3A/34.7A	40.9A/39.1A	45.4A/43.4A
Max. current	35A	40A	45A	50A
Power factor	-0.8--+0.8 (adjustable)			
THDi	<3% (Nominal Output)			
Grid system pattern	L+N+PE			
Max. AC current from utility grid	80A			
Output AC (Back-up)				
Nominal output power	7kW	8kW	9kW	10kW
Max. output apparent power	7.7kVA	8.8kVA	9.9kVA	11kVA
Nominal output voltage	220V/230V			
Nominal ouput frequency	50Hz/60Hz			
Output THDV	<3%			
Automatic switch time	<10ms			
Battery				
Battery type	Li-ion/Lead-acid			
Battery voltage range	40V-60V			
Max. charging/discharging current	160A	180A	180A	180A
Charging strategy for Li-ion battery	Self-adaption to BMS			
Charging strategy for Lead-acid battery	Three-stage			
Efficiency				
Max. MPPT efficiency	99.9%			
Europe efficiency	97.5%			
Max. battery to load efficiency	94.5%			
Protection				
Anti islanding protection	Yes			
Insulation impedance protection	Yes			
RCD detection	Yes			
PV reverse polarity protection	Yes			
Output over voltage protection	Yes			
Output over current protection	Yes			
General Data				
Dimensions(L/W/H)in mm	375/265/513			
Weight	27kg			
Operation temperature range	-25°C~+60°C			
Heat dissipation mode	Smart cooling			
IP Class	IP 66			
Maximum altitude	4000m			
Self-Consumption night	<3w			
Topology	Transformerless			
Features				
LCD display	Yes			
Communication interface	WiFi/4G/USB/CAN/RS485			
Standards	IEC/EN 62109, IEC/EN 62477, IEC/EN 61000, CEI 0-21, NTS-631, RD647, UNE 217001, UNE 217002, VDE 4105, IEC 61727, IEC 62116, IEC 61683, EN 50549, G98, G99, NRS 097, UTE C 15, VDE 0126			