

Technical Data	HI-8K-SL	HI-10K-SL	HI-12K-SL
<b>PV String Input Data</b>			
Max. DC input power	12kW	15kW	18kW
Max. DC input voltage	550V		
Nominal input voltage	360V		
MPPT working voltage range	90V-550V		
Number of independent MPPT / strings per MPPT	4/1		
MPPT max. current	4*20A		
Start-up voltage	100V		
<b>AC Output/Input Data (On-grid)</b>			
Nominal output apparent power	8kW	10kW	12kW
Max. output apparent power	8.8kVA	11kVA	13.2kVA
Nominal output voltage	230V(180V-280V)		
Nominal output frequency	50Hz/60Hz		
Rated output current	34.7A	43.4A	52A
Max. output current	42A	53A	60A
Power factor	-0.8~+0.8(adjustable)		
THDi	<3%(Nominal Output)		
Grid system pattern	L+N+PE		
Max.apparent power from utility grid	16kVA	20kVA	24kVA
Max.AC current from utility grid	84A	106A	120A
<b>Back-up Output Data (UPS)</b>			
Nominal output apparent power	8kVA	10kVA	12kVA
Max. output apparent power	8.8kVA	11kVA	13.2kVA
Nominal output voltage	208V, 220V, 230V, 240V		
Nominal output frequency	50Hz/60Hz		
Output THDV	3%		
Automatic switch time	<10ms		
<b>Battery Input Data</b>			
Battery type	Li-Ion/Lead-acid		
Battery voltage range	40V-60V		
Max. charging/discharging current	160A	200A	240A
Charging strategy for Li-Ion battery	Self-adaption to BMS		
Charging strategy for Lead-acid battery	Three-stage		
<b>Efficiency</b>			
Max. efficiency	98%		
Europe efficiency	97.5%		
Max. battery to load efficiency	94.5%		
<b>Protection</b>			
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		
<b>General Data</b>			
Dimensions(L/W/H)in mm	425/290/660		
Weight	39kg		
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		
<b>Features</b>			
LCD display	Yes		
Communication interface	WiFi/4G/USB/CAN/RS485		
Standards	EN 62109/EN 62477/EN IEC 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 V 0126		