

Technical Data	HI-3K-SL	HI-3.6K-SL	HI-4K-SL	HI-5K-SL	HI-6K-SL
PV String Input Data					
Max. DC input power	7000W	7000W	9000W	9000W	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	100V				
AC Output/Input Data (On-grid)					
Nominal output apparent power	3000W	3600W	4000W	5000W	6000W
Max. output apparent power	3300VA	4000VA	4400VA	5500VA	6600VA
Nominal output voltage	230V/180V-280V				
Nominal output frequency	50Hz,60Hz/±5Hz				
Rated output current	13A	15.6A	18A	22A	26A
Max. output current	14A	17A	19A	24A	29A
Power factor	-0.8-+0.8(adjustable)				
THDi	<3%(Nominal Output)				
Grid system pattern	L+N+PE				
Max.apparent power from utility grid	6000VA	7200VA	8000VA	10000VA	11000VA
Max.AC current from utility grid	26A	31.5A	35A	43.5A	48A
Back-up Output Data (UPS)					
Nominal output apparent power	3000VA	3600VA	4000VA	5000VA	6000VA
Max. output apparent power	4000VA,10s	4600VA,10s	5000VA,10s	6000VA,10s	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	80A	80A	100A	100A	100A
Charging strategy for Li-Ion battery	Self-adaption to BMS				
Charging strategy for Lead-acid battery	Three-stage				
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				
PV 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				
Noise	<25dB				
Operation temperature range	-25°C-+60°C				
Heat dissipation mode	Natural				
IP Class	IP 65				
Maximum altitude	4000m				
Self-Consumption night	<3w				
Topology	Transformerless				
Features					
LCD display	Yes				
Communication interface	WiFi/4G/USB/CAN/RS485				
Standards	EN 62109-1/EN 62109-2/EN 62477-1/EN IEC 61000-6-1/EN IEC 61000-6-3/CEI 0-21/NTS-631/RD647/UNE 217001/UNE 217002/VDE 4105/IEC 61727/IEC 62116/IEC 61683/EN 50549-1/G98/ G99/NRS 097/UTE C 15-712/DIN V VDE V 0126				