

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	4500W	5400W	6000W	7500W	9000W
Max. DC input voltage			550V		
Operation voltage range			80V-550V		
MPPT working voltage range			90V-550V		
Number of independent MPPT / strings per MPPT			2/1+1		
MPPT max. current			15A/15A		
Start-up voltage/Min.operating voltage			100V/80V		
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	12000VA
Max.AC current from utility grid	28A	32A	38A	48A	58A
Back-up Output Data (UPS)					
Peak output apparent power	4000VA,10s	4600VA,10s	5000VA,10s	6000VA,10s	7000VA,10s
Nominal output apparent power	3000VA	3600VA	4000VA	5000VA	6000VA
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		
Nominal battery voltage			48V		
Battery voltage range			40V-60V		
Max. charging voltage			58V(Configurable)		
Max. charging/discharging current	70A	80A	100A	100A	100A
Battery capacity(AH)			50-2000		
Charging strategy for Li-Ion battery			Self-adaption to BMS		
Charging strategy for Lead-acid Battery			Three-stage		
Efficiency					
Max. efficiency	98%	98%	98%	98%	98%
Europe efficiency	97.5%	97.5%	97.5%	97.5%	97.5%
Max. battery to load efficiency	94%	94%	94%	94%	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(W/L/H)in mm			375/365/240		
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		
Warranty			5years (standard)		
Standards			CE,G83/G59,VDE0126-1-1,AS4777,AS/NZS3100,CEI 0-21,VDE-AR-N4105		