

Technical Data	HI-3K-SH	HI-3.6K-SH	HI-4K-SH	HI-5K-SH	HI-6K-SH
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	12000VA
Max.AC current from utility grid	26A	31.5A	35A	43.5A	52A
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			85V-450V		
Max. charging/discharging current	30A	30A	30A	30A	30A
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			97%		
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			329/200/403		
Weight			16kg		
Noise			<25dB		
Operation temperature range			-25°C~+60°C		
Heat dissipation mode			Natural		
IP Class			IP 65		
Maximum altitude			3000m		
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 IEC 61000-6-1/ EN IEC 61000-6-3/VDE 4105/EN 50549-1				