

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				
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				
Nominal battery voltage	300V				
Battery voltage range	85V-450V				
Max. charging voltage	450V(Configurable)				
Max. charging/discharging current	30A	30A	30A	30A	30A
Battery capacity(AH)	50-2000				
Charging strategy for Li-Ion battery	Self-adaption to BMS				
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	97%	97%	97%	97%	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(W/L/H)in mm	329/403/240				
Weight	16kg				
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/IEC 61000-6-1/IEC 61000-6-3/CEI 0-21/UNE 217001/UNE 217002/VDE 0126/IEC 61727/IEC 62116/EN 50549-1/G98/G99/AS 4777.2				