

Technical Data	HI-5K-TH	HI-6K-TH	HI-8K-TH	HI-10K-TH	HI-12K-TH
PV String Input Data					
Max. DC input power	7500W	9000W	12000W	15000W	18000W
Max. DC input voltage	1100V				
Nominal input voltage	600V				
MPPT working voltage range	180V-1000V				
Number of independent MPPT / strings per MPPT	2/1+1				
MPPT max. current	20A/20A				
Start-up voltage/Min.operating voltage	200V/180V				
AC Output/Input Data (On-grid)					
Nominal output apparent power	5000W	6000W	8000W	10000W	12000W
Max. output apparent power	5500VA	6600VA	8800VA	11000VA	13200VA
Nominal output voltage	400V±20%				
Nominal ouput frequency	50Hz,60Hz/±5Hz				
Max. output current	8A	10A	13A	16A	19A
Power factor	-0.8~+0.8(adjustable)				
THDi	<3%(Nominal Output)				
Grid system pattern	3L+N+PE				
Max.apparent power from utility grid	11000VA	12000VA	16000VA	20000VA	24000VA
Max.AC current from utility grid	16A	20A	26A	32A	40A
Back-up Output Data (UPS)					
Peak output apparent power	5500VA,10s	6600VA,10s	8800VA,10s	11000VA,10s	13200VA,10s
Nominal output apparent power	5000VA	6000VA	8000VA	10000VA	12000VA
Nominal output voltage	400V±20%				
Nominal ouput frequency	50Hz/60Hz				
Output THDV	<3%				
Automatic switch time	<20ms				
Battery Input Data					
Battery type	Li-Ion				
Battery voltage range	150V-600V				
Max. charging/discharging current	25A	25A	25A	25A	25A
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	98%	98%	98%	98%	98%
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	403/465/285				
Weight	20kg				
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				