

Technical Data	HI-15K-TH	HI-20K-TH	HI-25K-TH
PV String Input Data			
Max. DC input power	23000W	30000W	38000W
Max. DC input voltage		1000V	
Nominal input voltage		600V	
MPPT working voltage range		180V-950V	
Number of independent MPPT / strings per MPPT		2/2	
MPPT max. current		30A/30A	
Start-up voltage		200V	
AC Output/Input Data (On-grid)			
Nominal output apparent power	15000W	20000W	25000W
Max. output apparent power	16500VA	22000VA	25000VA
Nominal output voltage		400V±20%	
Nominal output frequency		50Hz, 60Hz/±5Hz	
Rated output current	21.8A	29A	36.3A
Max. output current	24A	32A	36.3A
Power factor		-0.8~+0.8(adjustable)	
THDi		<3%(Nominal Output)	
Grid system pattern		3L+N+PE	
Max.apparent power from utility grid	30000VA	40000VA	50000VA
Max.AC current from utility grid	48A	64A	72.6A
Back-up Output Data (UPS)			
Nominal output apparent power	15000VA	20000VA	25000VA
Max output apparent power	16500VA	22000VA	25000VA
Nominal output voltage		400V±20%	
Nominal output frequency		50Hz/60Hz	
Output THDV		<3%	
Automatic switch time		<10ms	
Battery Input Data			
Battery type		Li-Ion	
Battery voltage range		150V-750V	
Max. charging/discharging current		50A	
Charging strategy for Li-Ion battery		Self-adaption to BMS	
Efficiency			
Max. efficiency		98%	
Europe efficiency		97.5%	
Max. battery to load efficiency		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(L/W/H)in mm		403/284/463	
Weight		32kg	
Operation temperature range		-25°C~+60°C	
Heat dissipation mode		Smart cooling	
IP Class		IP 66	
Maximum altitude		3000m	
Self-Consumption night		<5w	
Topology		Transformerless	
Features			
LCD display		Yes	
Communication interface		WiFi/4G/USB/CAN/RS485	
Standards	IEC 62109-1/IEC 62109-2/EN IEC 61000-6-1/EN IEC 61000-6-3/CEI 0-21/VDE AR 4105/VDE V 0124-100/NC RfG/PSE/PTPIREE/EN 50549-1/NRS 097		