







## Three-phase Hybrid Inverter HI-15~25K-TH



-  Equipped with GEN port, compatible with diesel generators, smart loads, and AC coupling.
-  IP66 rated enclosure, designed for both indoor and outdoor deployment in harsh environments.
-  Supports setting 9 periods, including three periods each for self-consumption, battery charge, and battery discharge.
-  Supports 100% 3-phase unbalanced output on both ports (BACKUP & GRID).
-  Integrated 0-export function.
-  Peak shaving and valley filling to enhances grid stability.

Technical Data	HI-15K-TH	HI-20K-TH	HI-25K-TH
<b>Input DC (PV side)</b>			
Max. PV access power	30kW	40kW	50kW
Max. PV input power	24kW	32kW	40kW
Max. PV input voltage	1000V		
Nominal input voltage	600V		
MPPT working voltage range	180V-850V		
Number of independent MPPT / strings per MPPT	2/2		
MPPT max. current	30A/30A		
Start-up voltage	200V		
<b>Output/Input AC (Grid side)</b>			
Nominal apparent power	15kW	20kW	25kW
Max. apparent power	16.5kVA	22kVA	25kVA
Nominal voltage	380V/400V		
Nominal frequency	50Hz/60Hz		
Rated current	22.7A/21.7A	30A/29A	37.8A/36.3A
Max. current	25A	33A	38A
Power factor	-0.8~+0.8(adjustable)		
THDi	<3%(Nominal Output)		
Grid system pattern	3L+N+PE		
Max. AC current from utility grid	60A		
<b>Output AC (Back-up)</b>			
Nominal output power	15kW	20kW	25kW
Max. output apparent power	16.5kVA	22kVA	25kVA
Nominal output voltage	380V/400V		
Nominal output frequency	50Hz/60Hz		
Output THDV	<3%		
Automatic switch time	<10ms		
<b>Battery</b>			
Battery type	Li-ion		
Battery voltage range	150V-750V		
Max. charging/discharging current	50A		
Charging strategy for Li-ion battery	Self-adaption to BMS		
<b>Efficiency</b>			
Max. MPPT efficiency	99.9%		
Europe efficiency	97.5%		
Max. battery to load efficiency	98%		
<b>Protection</b>			
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		
<b>General Data</b>			
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	4000m		
Self-Consumption night	<5W		
Topology	T transformerless		
<b>Features</b>			
LCD display	Yes		
Communication interface	WiFi/4G/USB/CAN/RS485		
Standards	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000, CEI 0-21, VDE AR 4105, VDE V 0124-100, NC RfG, PSE, PTRIEEE, EN 50549-1, NRS 097		