



HI-10~15K-TH-US

THREE-PHASE HIGH-VOLTAGE HYBRID INVERTER

IP66 Protection | Smart Energy Storage | Flexible Operation

-  GEN port – compatible with diesel generators, smart loads, and AC coupling
-  Flexible three-phase output: 120/208V, 127/220V
-  100% unbalanced output for each phase
-  Peak shaving function for grid optimization
-  Wide battery range: 180V – 850V
-  Smart Wi-Fi monitoring for real-time control
-  Multiple modes supported: On-grid + Energy Storage + Off-grid
-  IP66 protection level for harsh environments

Technical Data	HI-10K-TH-US	HI-12K-TH-US	HI-15K-TH-US
Input DC (PV side)			
Max. PV access power	20kW	24kW	30kW
Max. PV input power	16kW	20kW	24kW
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	
Output/Input AC (Grid side)			
Nominal apparent power	10kW	12kW	15kW
Max. apparent power	11kVA	13.2kVA	16.5kVA
Nominal frequency and voltage	50Hz/60Hz, 3L/N/PE, 120/208V, 127/220V		
Rated current	27.8A/26.2A	33.3A/31.5A	41.6/39.3A
Max. current	30A	35A	45A
Power factor		-0.8~+0.8(adjustable)	
THDi		<3%(Nominal Output)	
Grid system pattern		Three phase	
Max.AC current from utility grid		60A	
Output AC (Back-up)			
Nominal output apparent power	10kW	12kW	15kW
Max. output apparent power	11kVA	13.2kVA	16.5kVA
Nominal output frequency and voltage	0Hz/60Hz, 3L/N/PE, 120/208V, 127/220V		
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	