








HI-100~150K-TH-US-H

THREE-PHASE HIGH-VOLTAGE HYBRID INVERTER



IP66 Protection for Residential and Commercial Applications

-  Up to 200A battery charge/discharge capability
-  DC & AC coupling - retrofit existing solar systems easily
-  100% unbalanced output for flexible three-phase loads
-  Compatible with diesel generator energy storage
-  Smart Wi-Fi monitoring for remote management
-  High-voltage, high-efficiency performance
-  IP66 protection level for reliable outdoor performance

Technical Data	HI-100K-TH-US-H	HI-125K-TH-US-H	HI-150K-TH-US-H
Input DC (PV side)			
Max. PV access power	200kW	250kW	250kW
Max. PV input power	160kW	200kW	240kW
Max. PV input voltage		1000V	
Nominal input voltage		600V	
MPPT working voltage range		180V-850V	
Number of independent MPPT / strings per MPPT		8/3	
MPPT max. current		8*45A	
Start-up voltage		200V	
Output/Input AC (Grid side)			
Nominal apparent power	100kW	125kW	150kW
Max.apparent power	100kVA	125kVA	150kVA
Nominal frequency and voltage		50Hz/60Hz, 3L/N/PE, 277/480V	
Rated current	120.3A	150.4A	180.4A
Max. current	120.3A	150.4A	180.4A
Power factor		-0.8-+0.8(adjustable)	
THDi		<3%(Nominal Output)	
Grid system pattern		Three phase	
Max.AC current from utility grid		300A	
Output AC (Back-up)			
Nominal output apparent power	100kW	125kW	150kW
Max. output apparent power	100kVA	125kVA	150kVA
Nominal output frequency and voltage		50Hz/60Hz, 3L/N/PE, 277/480V	
Output THDV		<3%	
Automatic switch time		<10ms	
Battery Input Data			
Battery type		Li-ion	
Battery voltage range		200V-800V	
Max. charging/discharging current		2*100A/2*100A	
Charging strategy for Li-Ion battery		Self-adaption to BMS	