



HI-36~72K-TH-US-H

THREE-PHASE HIGH-VOLTAGE HYBRID INVERTER

IP66 Protection | Smart Energy Storage | Reliable Performance

-  Independent grid export control for each phase
-  Colorful touch screen for easy operation
-  Wide battery voltage range: 180V - 850V
-  DC & AC coupling to retrofit existing solar systems
-  Compatible with diesel generator energy storage
-  Smart Wi-Fi monitoring for real-time control
-  IP66 protection level for reliable outdoor performance

Technical Data	HI-36K-TH-US-H	HI-48K-TH-US-H	HI-60K-TH-US-H	HI-72K-TH-US-H
Input DC (PV side)				
Max. PV access power	72kW	96kW	120kW	144kW
Max. PV input power	58kW	76kW	96kW	115kW
Max. PV input voltage		1000V		
Nominal input voltage		600V		
MPPT working voltage range		180V-850V		
Number of independent MPPT / strings per MPPT	3/3	4/3	4/3	4/3
MPPT max. current	3*45A	4*45A	4*45A	4*45A
Start-up voltage		200V		
Output/Input AC (Grid side)				
Nominal apparent power	36kW	48kW	60kW	72kW
Max. apparent power	36kVA	48kVA	60kVA	72kVA
Nominal frequency and voltage		50Hz/60Hz, 3L/N/PE, 277/480V		
Rated current	43.3A	58A	72.4A	87A
Max. current		87A		
Power factor		-0.8-+0.8(adjustable)		
THDi		<3%(Nominal Output)		
Grid system pattern		Three phase		
Max.AC current from utility grid		200A		
Output AC (Back-up)				
Nominal output apparent power	36kW	48kW	60kW	72kW
Max. output apparent power	36kVA	48kVA	60kVA	72kVA
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*50A/2*50A		
Charging strategy for Li-Ion battery		Self-adaption to BMS		