








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			