



HI-3.3~5.5K-SL-US

SINGLE-PHASE LOW-VOLTAGE HYBRID INVERTER

IP66 Protection | Smart & Reliable Energy Storage

-  DC & AC coupling – retrofit existing solar systems easily
-  Seamless on/off-grid switching
-  Supports up to 10 units in parallel (on/off-grid); single-phase units can be paralleled to three-phase
-  7 intelligent working modes for flexible applications
-  IP66 protection level for reliable outdoor performance
-  Smart Wi-Fi monitoring for real-time system control
-  Color touch screen with user-friendly interface
-  Wide BMS compatibility

Technical Data	HI-3.3K-SL-US	HI-4.4K-SL-US	HI-5.5K-SL-US
Input DC (PV side)			
Max. PV access power	6.6kW	8.8kW	11kW
Max. PV input power	5.3kW	7kW	8.8kW
Max. PV input voltage		550V	
Nominal input voltage		360V	
MPPT working voltage range		80V-500V	
Number of independent MPPT / strings per MPPT		2/2	
MPPT max. current		36A/36A	
Start-up voltage		100V	
Output/Input AC (Grid side)			
Nominal apparent power	3.3kW	4.4kW	5.5kW
Max. apparent power	3.6kVA	4.8kVA	6kVA
Nominal frequency and voltage		50Hz/60Hz, L/N/PE, 120V/127V	
Rated current	27.5A/26A	36.6A/34.7A	45.8A/43.4A
Max. current	30A	40A	50A
Power factor		-0.8-+0.8(adjustable)	
THDi		<3%(Nominal Output)	
Grid system pattern		Single phase	
Max.AC current from utility grid		80A	
Output AC (Back-up)			
Nominal output apparent power	3.3kW	4.4kW	5.5kW
Max. output apparent power	3.6kVA	4.8kVA	6kVA
Nominal output frequency and voltage		50Hz/60Hz, L/N/PE, 120V/127V	
Output THDV		<3%	
Automatic switch time		<10ms	
Battery Input Data			
Battery type		Li-ion/Lead-acid	
Battery voltage range		40V-60V	
Max. charging/discharging current	80A	100A	140A
Charging strategy for Li-Ion battery		Self-adaption to BMS	