











# 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
<b>Input DC (PV side)</b>			
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	
<b>Output/Input AC (Grid side)</b>			
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	
<b>Output AC (Back-up)</b>			
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	
<b>Battery Input Data</b>			
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	