

Single-phase
Hybrid Inverter
HI-3.3~5.5K-SL-US



- Wide DC working voltage range, 2 MPPT design, adapt to multi-angle and multi-orientation PV panels.
- Up to 98% conversion efficiency with lower losses; NEMA Type 4 Waterproof design, indoor& outdoor use.
- One machine for multiple purposes: On-grid + Energy storage + Off-grid.
- Support remote monitoring, remote upgrade and automatic battery management.
- Up to 7 Intelligent working modes, support remote monitoring on mobile/PC.
- Support for lead-acid, lithium batteries, but also to specify the brand of battery adaptation communication.
- 5-year standard warranty and 10-year extended warranty.
- Colorful touch LCD (4.3/7 inch optional)

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. DC input power	5.3kW	7kW	8.8kW
Max. DC input voltage		550V	
Nominal input voltage		360V	
MPPT working voltage range		80V-550V	
Number of independent MPPT / strings per MPPT		2/2	
MPPT max. current		36A/36A	
Start-up voltage		100V	
Output/Input AC (Grid side)			
Nominal output apparent power	3.3kW	4.4kW	5.5kW
Max. output apparent power	3.6kVA	4.8kVA	6kVA
Nominal output voltage		120V/208V,127V/220V	
Nominal ouput frequency		60Hz	
Rated output current	27.5A/26A	36.6A/34.7A	45.8A/43.4A
Max. output current	30A	40A	50A
Power factor		-0.8~+0.8(adjustable)	
THDi		<3%(Nominal Output)	
Grid system pattern		L+N+PE	
Max.AC current from utility grid	80A	80A	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 voltage		120V/208V,127V/220V	
Nominal ouput frequency		60Hz	
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	
Efficiency			
Max. efficiency		99.9%	
Europe efficiency		97.5%	
Max. battery to load efficiency		94%	
Protection			
Anti islanding protection		Yes	
Insulation impedance protection		Yes	
RCD detection		Yes	
PV reverse polarity protection		Yes	
Output over voltage protection		Yes	
Output over current protection		Yes	
General Data			
Dimensions (L/W /H) in mm		375/265/513	
Weight		28kg	
Operation temperature range		-25°C~+60°C	
Heat dissipation mode		Smart cooling	
NEMA Enclosure		Type 4	
Maximum altitude		4000m	
Self-Consumption night		<3w	
Topology		Transformerless	
Features			
LCD display		Yes	
Communication interface		WiFi/4G/USB/CAN/RS485	
Standards		UL 1741,IEEE 1547.1,SRD V2.0,FCC,RETIE,IEC 62109	