INHENERGY CO., LTD.



HI-5~12K-DL

SPLIT-PHASE LOW-VOLTAGE HYBRID INVERTER

IP66 Protection | Smart & Reliable Energy Storage

- 100% unbalanced output for each phase
- 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-5K-DL	HI-6K-DL	HI-8K-DL	HI-10K-DL	HI-12K-DL
Input DC (PV side)					
Max. PV access power	10kW	12kW	16kW	20kW	24kW
Max. PV input power	8kW	9.6kW	12.8kW	16kW	19.2kW
Max. PV input voltage	600V				
Nominal input voltage	360V				
MPPT working voltage range	80V-500V				
Number of independent MPPT / strings per MPPT	2/1	2/1	4/1	4/1	4/1
MPPT max. current	2*20A	2*20A	4*20A	4*20A	4*20A
Start-up voltage	100V				
Output/Input AC (Grid side)					
Nominal apparent power	5kW	6kW	8kW	10kW	12kW
Max. apparent power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA
Nominal frequency and voltage	50Hz/60Hz, 2L/N/PE, 120/240V				
Rated current	20.8A	25A	33.3A	41.6A	50A
Max. current	22.8A	27.5A	36.6A	45.7A	55A
Power factor	-0.8-+0.8(adjustable)				
THDi	<3%(Nominal Output)				
Grid system pattern	Split phase				
Max.AC current from utility grid	100A				
Output AC (Back-up)					
Nominal output apparent power	5kVA	6kVA	8kVA	10kVA	12kVA
Max. output apparent power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA
Nominal output frequency and voltage	50Hz/60Hz, 2L/N/PE, 120/240V				
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	120A	135A	190A	210A	240A
Charging strategy for Li-Ion battery	Self-adaption to BMS				