



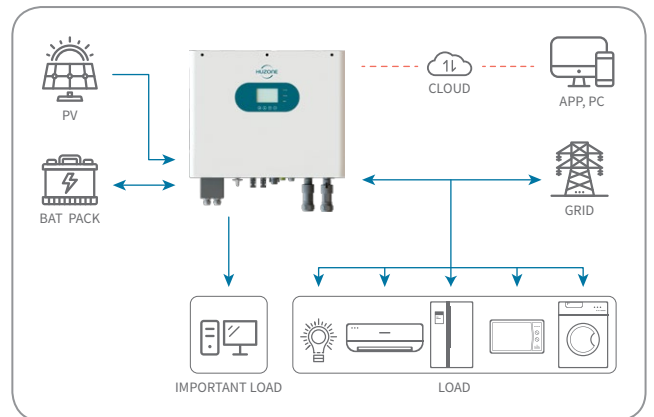
HIH-3~6K-SL

# Single-Phase Hybrid Inverter

3kW / 3.6kW / 4kW / 4.6kW / 5kW / 6kW



- ✓ Compatible with different batteries, perfect protection function and strong environmental adaptability
- ✓ Wide DC input voltage range design
- ✓ Light weight, natural cooling and low noise
- ✓ Ingress protection IP65, wall mounted design
- ✓ Battery reverse polarity protection
- ✓ Compatible anti-backflow function
- ✓ Seamless switching between off-grid and on-grid
- ✓ Maximum efficiency up to 97.6%
- ✓ Multi-period charge and discharge design, guarantee user's investment income
- ✓ Household intelligent energy management terminal



Villa



Hotel



Residential electricity



Hospital



Museum



Church



Farm

Technical Data

HIH-3K-SL HIH-3.6K-SL HIH-4K-SL HIH-4.6K-SL HIH-5K-SL HIH-6K-SL

**PV Input**

Maximum Input Power	4.6 kW	6 kW	7 kW
Maximum Input Voltage	550 V		
MPPT Voltage Range	125~500 V		
MPPT Rated Voltage	360 V		
Number Of MPPT / Strings Per Channel	2/1		
Maximum MPPT Input Current	13/13 A		

**Battery Input**

Battery Type	Lithium, Lead-Acid
Maximum Charge Voltage	58 V
Voltage Range	40~58 V
Maximum Charge/Discharge Current	95/100 A
Communication	CAN

**AC Output (On-Grid)**

Rated Output Power	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA
Rated Output Voltage	230 V (1PH, N, PE)					
Output Voltage Range	176~270 V					
Maximum Output Current	13 A	16 A	17.4 A	20 A	21.7 A	26 A
Output Frequency	50/60 Hz					
Power Factor	1 (0.8 leading~0.8 lagging)					
THDi	<3%					
Grid Connection Type	L+N+PE					

**Backup AC Output (EPS)**

Rated Output Power	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA
Rated Output Current	13 A	16 A	17.4 A	20 A	21.7 A	26 A
Rated Output Voltage	230 V (1PH, N, PE)					
Output Frequency	50/60 Hz					
THDu	<2%					
Overload Capacity	110%, 60s / 120%, 30s / 150%, 10s					
Automatic Switching Time	<20 ms					

**General Data**

Maximum Efficiency	97.6%
Euro Efficiency	97%
MPPT Efficiency	99.9%
Ingress Protection Rating	IP65
Noise	<35 dB
Temperature Range	-25~60°C
Cooling Method	Natural Cooling
Relative Humidity	0~95%, Non-condensing
Altitude	≤4000 m (>2000 m Derating)
Display	LCD
Communication	RS485, Wi-Fi, GPRS, CAN, DRM
Standards and Certifications	CE, TÜV, SAA, IEC62116:2014, IEC61683:1999
Weight	25 kg
Dimensions (WxDxH)	541x238x441 mm