

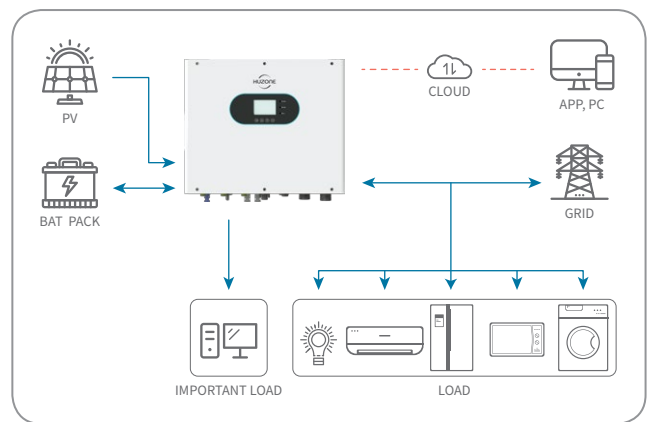


HIH-4~8K-TL

Three-Phase Hybrid Inverter

4kW / 5kW / 6kW / 8kW

- ✓ Compatible with different batteries, perfect protection function and strong environmental adaptability
- ✓ Wide DC input voltage range design
- ✓ Multi-channel PV MPPT access to improve power generation utilization
- ✓ Off-grid output connection unbalanced load, supports three phase independent output
- ✓ 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 98%
- ✓ Multiple working mode: Self-use mode, Time-of-use mode, Timing mode, Passive mode
- ✓ Remote monitoring of PC and mobile phones



Villa



Hotel



Office building



Hospital



Museum



Church



Farm

Technical Data HIH-4K-TL HIH-5K-TL HIH-6K-TL HIH-8K-TL

PV Input

Maximum Input Power	6 kW	7.5 kW	9 kW	12 kW
Start-up Voltage	200 V			
Maximum Input Voltage	1000 V			
MPPT Voltage Range	180~960 V			
MPPT Working Voltage For Full Load	220~850 V	250~850 V	320~850 V	360~850 V
Number Of MPPT / Strings Per Channel	2/1			
Maximum MPPT Input Current	25 A (12.5/12.5)			

Battery Input

Battery Type	Lithium, Lead-Acid			
Number Of Battery Input	1			
Voltage Range	180~800 V			
Voltage Range For Full Load	200~800 V	200~800 V	240~800 V	320~800 V
Maximum Charge/Discharge Current	25 A			
Communication	CAN, RS485			
Battery Charging Strategy	According to BMS instructions / 3 Stages (Lead-Acid)			

AC Output (On-Grid)

Rated Output Power	4 kW	5 kW	6 kW	8 kW
Maximum Output Power	4.4 kVA	5.5 kVA	6.6 kVA	8.8 kVA
Rated Output Voltage	220/380V, 230/400V (3PH, N, PE)			
Output Voltage Range	184~276 V			
Maximum Output Current	6.5 A	8 A	10 A	13 A
Output Frequency	50/60 Hz (45~54.9 / 54.9~65)			
Power Factor	1 (0.8 leading~0.8 lagging)			
THDi (Rated Power)	<3%			

Backup AC Output (EPS)

Rated Output Power	4 kVA	5 kVA	6 kVA	8 kVA
Maximum Output Power	4.4kVA 60s, 6kVA 1s	5.5kVA 60s, 7.5kVA 1s	6.6kVA 60s, 9kVA 1s	8.8kVA 60s, 12kVA 1s
Maximum Output Current	6.5 A	8 A	10 A	13 A
Rated Output Voltage	220/380V, 230/400V (3PH, N, PE)			
Output Frequency	50/60 Hz (±0.2%)			
THDu (Linear Load)	<3%			
Automatic Switching Time	<10 ms			

General Data

Maximum Efficiency	98%
Protection	DC Lightning Protection, AC Lightning Protection, PV Reverse Polarity Protection, Battery Reverse Protection, Insulation Resistor Detection, Leakage Current Detection, Anti-island Protection, Grounding Fault, Input Overvoltage & Unervoltage, Output Overvoltage & Unervoltage, Input Overcurrent, Output Overcurrent, Overheat Protection
Ingress Protection Rating	IP65
Noise	<40 dB
Temperature Range	-25~60°C
Cooling Method	Natural Cooling
Relative Humidity	0~95%
Altitude	≤4000 m (>2000 m Derating)
Display	LCD
Communication	RS485, CAN (Standard); Wi-Fi (Optional)
BMS Communication	RS485, CAN
Standby Consumption	<15 W
Grid Standard	VDE4105/EN50549
Safety Standard	CE/IEC62109
Weight	26 kg
Dimensions (WxDxH)	540x240x450 mm