

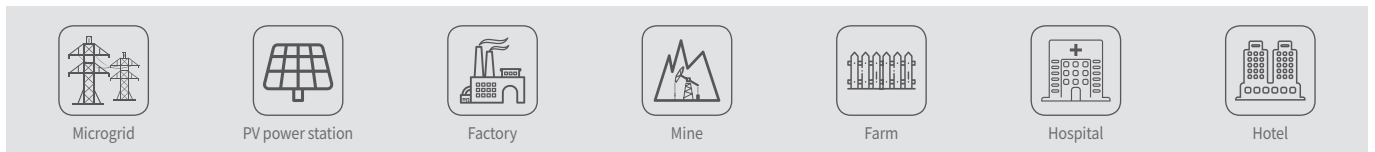
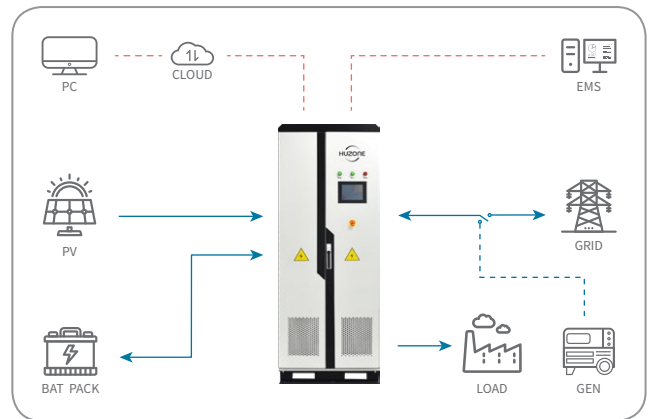


HIH-30~150K-TT Commercial Hybrid Inverter

Built-in Transformer

30kW / 50kW / 60kW / 100kW / 125kW / 150kW

- ✓ Multi-channel PV MPPT access to improve power generation utilization
- ✓ Power frequency topology, industrial design
- ✓ Wide DC input voltage range design, compatible with different batteries
- ✓ High-performance DSP, optimized control circuit design, better performance
- ✓ Intelligent management control strategy, multiple working modes, online or remote switching
- ✓ Cold start with load, three-phase 100% unbalanced load, strong load adaptability
- ✓ Supports diesel generator access, seamless switching between on-grid and off-grid (optional)
- ✓ AC and DC dual power backup, ensure the power supply of the control system



Technical Data

HIH-30K-TT HIH-50K-TT HIH-60K-TT HIH-100K-TT HIH-125K-TT HIH-150K-TT

PV Input

Maximum Input Voltage	850 V					
MPPT Voltage Range	600~850 V					
Number of MPPT	3					
Maximum Input Power Per MPPT	10 kW	20 kW			30 kW	

Battery Input

Battery Type	Lithium, Lead-Acid, Lead-Carbon, etc.					
Voltage Range	320~600 V			400~600 V		

AC Output (On-Grid)

Rated Output Power	30 kW	50 kW	60 kW	100 kW	125 kW	150 kW
Maximum Output Power	33 kVA	55 kVA	66 kVA	110 kVA	137 kVA	165 kVA
Rated Grid Voltage	230/400 V (3PH, N, PE)					
Rated Grid Frequency	50/60 Hz					

AC Output (Off-Grid)

Rated Output Power	30 kW	50 kW	60 kW	100 kW	125 kW	150 kW
Maximum Output Power	33 kVA	55 kVA	66 kVA	110 kVA	137 kVA	165 kVA
Overload Capacity	110%, 10min / 120%, 1min					
Rated Grid Voltage	230/400V (3PH, N, PE)					
Rated Grid Frequency	50/60 Hz					
THDi (Rated Power)	<3%					
Unbalanced Load Capacity	100%					

General Data

Maximum Efficiency	92%	93%		94%		
Protection	AC Short Circuit Protection, DC Reverse Polarity Protection, Surge Protection (PV-side & Grid-side)					
Ingress Protection Rating	IP20					
Isolation Transformer	Yes					
Temperature Range	-30~55°C					
Cooling Method	Forced Air Cooling					
Relative Humidity	0~95%, Non-condensing					
Altitude	≤5000 m (>3000 m Derating)					
Display	Touch Screen					
Communication	Ethernet, RS485					
BMS Communication	RS485, CAN					
Communication Protocol	Modbus RTU/TCP					
Standby Consumption	<50 W					
Weight	650 kg	650 kg	800 kg	900 kg	1050 kg	1250 kg
Dimensions (WxDxH)	950x700x1953 mm			1200x800x2050 mm		

