



HIH-20/30K-TL

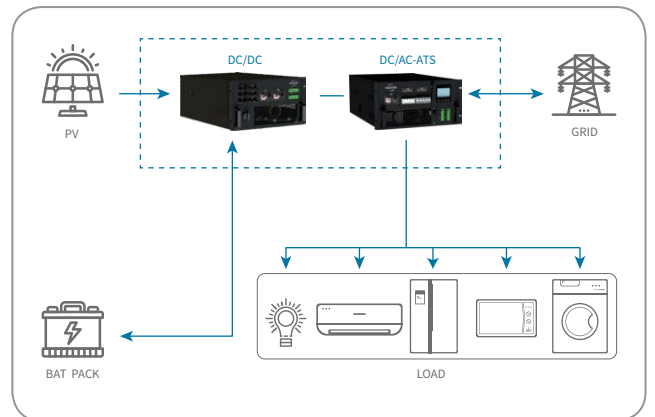
# Commercial Hybrid Inverter

High Frequency

20kW / 30kW



- ✓ With ATS module, it supports seamless switching between off-grid and grid connection, wide DC voltage input, compatible with different batteries
- ✓ Multiple working modes design, supports online switching, flexible allocation of the charging and load source in priority
- ✓ Three-phase 100% unbalanced load, strong load adaptability
- ✓ Multi-channel PV MPPT access to improve power generation utilization
- ✓ Refined battery management, supports constant voltage, constant current, constant power charge and discharge mode
- ✓ Modular design, convenient for multiple parallel screens
- ✓ Adopts three-level topology, maximum efficiency up to 98.6%, better power quality



Microgrid



Communication base station



Factory



Farm



Mall



Hospital



Hotel

Technical Data

HIH-20K-TL

HIH-30K-TL

**PV Input**

Maximum Input Power	20 kW	30 kW
Maximum Input Voltage	900 V	
MPPT Voltage Range	250~900 V	
Number Of MPPT / Strings Per Channel	3/6	
Maximum Input Power Per MPPT	6.5 kW	10 kW
Maximum Input Current Per MPPT	25 A	

**Battery Input**

Battery Type	Lithium, Lead-Acid, Lead-Carbon, etc.	
Voltage Range	250~650 V	

**AC Output (On-Grid)**

Rated Output Power	20 kW	30 kW
Maximum Output Power	22 kVA	33 kVA
Rated Grid Voltage	230/400V (3PH, N, PE)	
Rated Grid Frequency	50/60 Hz	

**AC Output (Off-Grid)**

Rated Output Power	20 kW	30 kW
Maximum Output Power	22 kVA	33 kVA
Overload Capacity	110% Long Run	
Rated Output Voltage	230/400V (3PH, N, PE)	
Rated Output Frequency	50/60 Hz	
THDi (Linear Load)	<3%	
Unbalanced Load Capacity	100%	

**General Data**

Maximum Efficiency	98.6%	
Protection	AC Short Circuit Protection, Polarity Reverse Protection, Surge Protection (PV+Grid Side+Load)	
Ingress Protection Rating	IP20	
Temperature Range	-30~55°C	
Relative Humidity	0~95%, Non-condensing	
Altitude	≤4000 m (>3000 m Derating)	
Cooling Method	Forced Air Cooling	
Combination Mode	1 (DC/DC) + 1 (DC/AC/ATS)	
Isolation Transformer	No	
Communication	Ethernet, RS485	
BMS Communication	RS485, CAN	
Communication Protocol	Modbus RTU/TCP	
Standby Consumption	<50 W	
Display	Touch Screen	
Weight	40 kg + 40 kg	
Dimension (WxDxH)	436x240x650 + 436x240x650 mm	

