



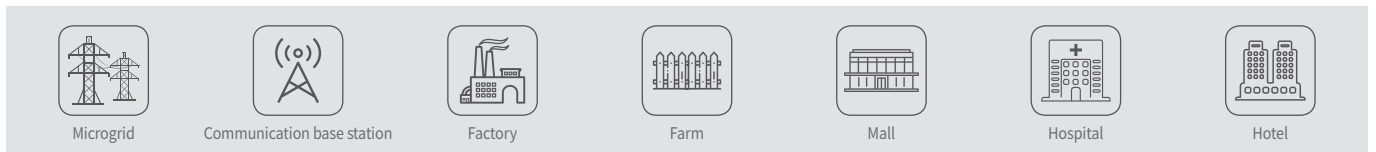
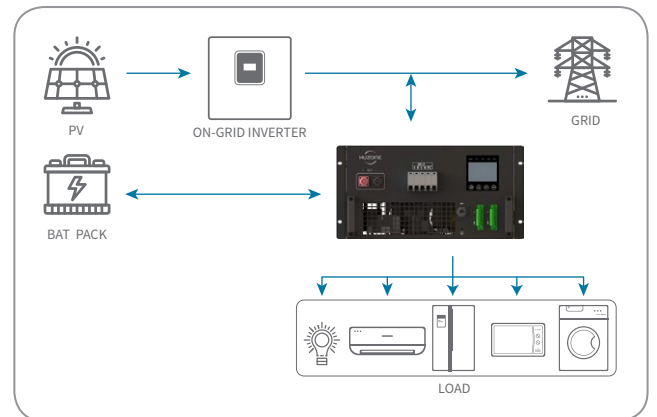
HIA-30~60K-TL-P

Commercial AC-Coupled Inverter

High Frequency
30kW / 50kW / 60kW



- ✓ Compatible with different batteries, perfect protection function and strong environmental adaptability
- ✓ Wide DC input voltage range design
- ✓ Local EMS function integrated
- ✓ Three-phase 100% unbalanced load, strong load adaptability
- ✓ Intelligent DSP digital control, data processing higher accuracy and faster speed
- ✓ Modular design, supports expansion
- ✓ Adopts three-level topology, maximum efficiency up to 98%, better power quality
- ✓ Supports anti-backflow function (optional)
- ✓ Seamless switching between on-grid and off-grid (optional)



Technical Data HIA-30K-TL-P HIA-50K-TL-P HIA-60K-TL-P

Battery Input

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

AC Output (On-Grid)

Rated Output Power	30 kW	50 kW	60 kW
Maximum Output Power	33 kVA	55 kVA	66 kVA
Maximum Output Current	43 A	72 A	86 A
Rated Grid Voltage	230/400V (3PH, N, PE)		
Rated Grid Frequency	50/60 Hz (±5%)		
THDi (Rated Power)	<3%		
DC Component	<0.5% In		

AC Output (Off-Grid)

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

General Data

Maximum Efficiency	98%	98.6%	98.6%
Protection	DC Reverse Polarity Protection, AC Short Circuit Protection, Leakage Current Protection, Grid Monitoring, Anti-island Protection, Surge Protection		
Ingress Protection Rating	IP20		
Temperature Range	-30~55°C (>45 Derating)		
Relative Humidity	0~95%, Non-condensing		
Altitude	≤4000 m (>3000 m Derating)		
Cooling Method	Smart Fan Cooling		
Isolation Transformer	No		
Communication	Ethernet, RS485		
BMS Communication	RS485, CAN		
Communication Protocol	Modbus RTU/TCP		
Display	Touch Screen		
Weight	40 kg		
Dimension (WxDxH)	483x650x240 mm		

