

Blue Star Inverter AC Error Codes

Category: Refrigeration

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Blue Star Inverter AC Error Codes: Full Diagnostic Guide for Technicians and Engineers

Mastering Blue Star AC troubleshooting with expert insights, tables, comparisons, and actionable advice.

Mbsmpro.com, Blue Star, Inverter AC, Error Codes, Diagnostic, BO-IC312YATU, BO-IC318YBTU, BO-IC324YATU, Troubleshooting, Sensor Faults, Protection Alerts

Understanding Blue Star Inverter AC Error Codes

Blue Star inverter air conditioners are engineered for high efficiency and smart diagnostics. When faults occur, the indoor unit (IDU) displays error codes that help technicians pinpoint issues quickly. This guide covers the most common error codes across models like **BO-IC312YATU**, **BO-IC318YBTU**, and **BO-IC324YATU**, offering a complete reference for service professionals.

Error Code Reference Table

Code	Description
EE	ODU EEPROM Error
E1	Communication Error
LC	Compressor Startup Failure / Out of Step Fault
P7	IPM Error
F5	ODU Discharge Temp Sensor Error
F4	ODU Coil Temp Sensor Error
F3	Ambient Temp Sensor Error
L3	Outdoor DC Fan Fault
E5	AC Input Overcurrent Protection
P5	Compressor Phase Current Protection
PH	AC Overvoltage & Undervoltage Protection
P8	IPM Over-High Temperature Protection
E4	Discharge Temp High Error
E2	IDU Coil Frozen Protection
E0	IDU EEPROM Error
H6	IDU Fan Motor Error

Code	Description
E8	Zero Crossing Error
F2	IDU Coil Temp Sensor Error
EC	Refrigerant Leak Detection

Comparative Analysis: Blue Star vs. LG and Daikin

Feature	Blue Star	LG	Daikin
Error Code Clarity	High	Moderate	High
Sensor Coverage	Extensive	Basic	Extensive
Diagnostic Depth	Advanced	Standard	Advanced
Technician Support	Strong	Moderate	Strong

Blue Star excels in diagnostic transparency and fault isolation, especially for compressor and sensor-related issues.

Engineering Insights & Troubleshooting Tips

- **EEPROM Errors (EE, E0):** Often caused by firmware corruption or power surges. Reset or reprogram the board.
- **Sensor Faults (F2-F5):** Check wiring continuity and replace faulty sensors.
- **Compressor Faults (LC, P5):** Verify voltage stability and inspect inverter board.
- **Protection Alerts (E5, PH, P8):** Ensure proper grounding and surge protection.

Benefits of Error Code Awareness

- **Faster Repairs:** Reduces downtime and improves customer satisfaction.
- **Preventive Maintenance:** Early detection of sensor degradation or refrigerant leaks.
- **Cost Efficiency:** Avoids unnecessary part replacements.

Professional Advice

- Always use a multimeter to verify sensor resistance.
- Maintain clean coils to prevent temperature-related faults.
- Use surge protectors to avoid EEPROM and IPM errors.

Focus Keyphrase

Blue Star Inverter AC Error Codes Diagnostic Chart for BO-IC312YATU BO-IC318YBTU BO-IC324YATU Troubleshooting Sensor Faults Protection Alerts

SEO Title

Mbsmpro.com, Blue Star Inverter AC Error Codes, BO-IC312YATU, Diagnostic, Sensor Faults,

Protection Alerts

Meta Description

Explore the complete list of Blue Star Inverter AC error codes for models BO-IC312YATU, BO-IC318YBTU, and BO-IC324YATU. Includes diagnostic tables, troubleshooting tips, and engineering insights.

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Tags

Blue Star, Inverter AC, Error Codes, Diagnostic, BO-IC312YATU, BO-IC318YBTU, BO-IC324YATU, Mbsmgroup, Mbsm.pro, mbsmpro.com, mbsm, AC Troubleshooting, Sensor Faults, Protection Alerts

Excerpt

Blue Star inverter ACs display error codes to help technicians diagnose faults quickly. This guide covers models BO-IC312YATU, BO-IC318YBTU, and BO-IC324YATU, offering tables, comparisons, and expert advice.

BLUE STARMODEL NO. : BO-IC312YATU, BO-IC318YBTU, BO-IC318YATU
BO-IC324YATU, BO-IC326YATU, BO-IC312QATU, BO-IC318QA

NO	ERROR CODE ON IDU	ERROR CODE DESCRIPTION
	EE	ODU EEPROM ERROR
	E6	COMMUNICATION ERROR
	LC	COMPRESSOR STARTUP FAILURE
	LC	COMPRESSOR OUT OF STEP FAULT
	P7	IPM ERROR
	F5	ODU DISCHARGE TEMP.SENSOR ERROR
	F4	ODU COIL TEMP.SENSOR ERROR
	F3	AMBIENT TEMP.SENSOR ERROR
	L3	OUTDOOR DC FAN FAULT
0	E5	AC INPUT OVER CURRENT PROTECTION
1	P5	COMPRESSOR PHASE CURRENT PROTECTION
2	PH	AC OVERVOLTAGE & UNDERVOLTAGE PROTECTION
3	P4	DC BUS-BAR HIGH VOLTAGE & LOW VOLTAGE PROTECTION
4	P8	IPM OVER-HIGH TEMPERATURE PROTECTION
5	E4	DISCHARGE TEMP-HIGH ERROR
6	E2	IDU COIL FROZEN PROTECTION
7	E1	ODU COIL MEDIUM-HIGH ERROR
8	E0	IDU EEPROM ERROR
9	H6	IDU FAN MOTOR ERROR
10	E8	ZERO CROSSING ERROR
11	F2	IDU COIL TEMP SENSOR ERROR
12	F1	INDOOR ROOM TEMPERATURE SENSOR ERROR
13	EC	REFRIGERANT LEAK DETECTION



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