

Fitco Wired & Wireless Smart Kit

Category: Equipment

written by www.mbsm.pro | 2 January 2026



The ECQ VP115 Vacuum Pump

Category: Equipment

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The ECQ Vacuum Pump VP115 is the ideal tool for the artisan bricoleur. With 2 CFM displacement and a durable 1/4 HP motor, it perfectly balances portability and power for residential AC and fridge repairs. This guide covers specifications, maintenance, and why 100% copper winding matters for your daily work.

Toshiba GR-EF37 No-Frost Refrigerator

Category: Equipment

written by www.mbsm.pro | 2 January 2026



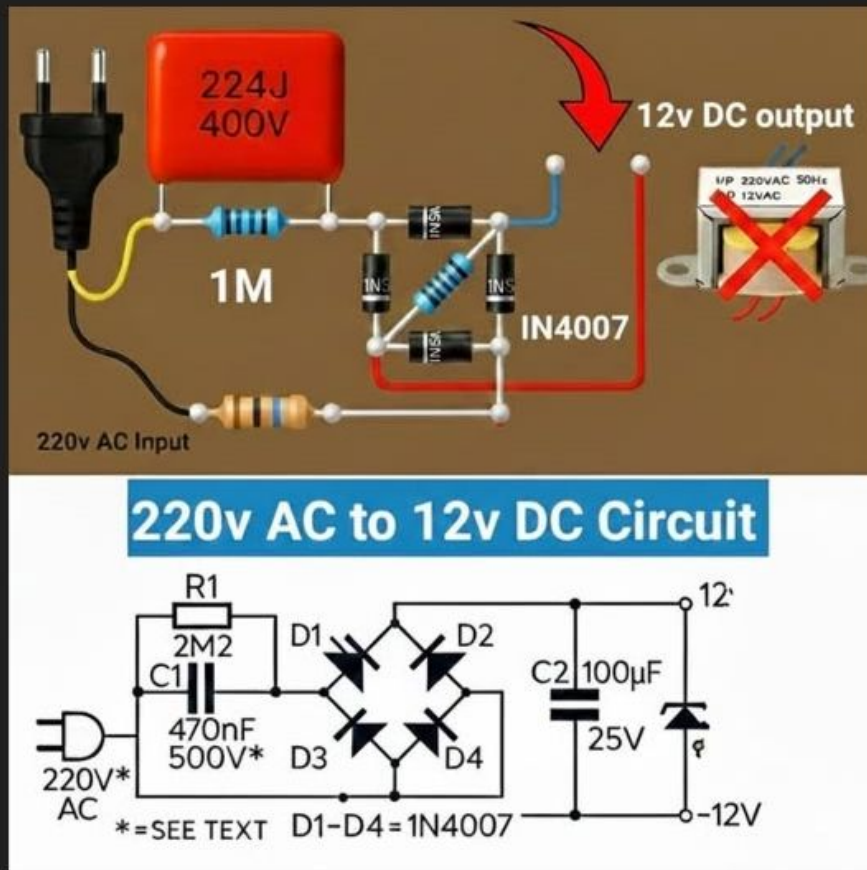
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“Toshiba GR-EF37 350 liter no-frost refrigerator with platinum deodorizer, A-class energy efficiency, R600a refrigerant, 10-year warranty, dual cooling zones”

220V AC to 12V DC Bridge Rectifier Circuit

Category: Electronic

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The bridge rectifier circuit represents the most efficient topology for converting 220V AC mains voltage to stable 12V DC output using four 1N4007 diodes in diamond configuration. This comprehensive guide explores circuit design, capacitor filter selection, voltage calculations, diode specifications, troubleshooting methods, and safety considerations for reliable power supply implementation across industrial and consumer applications worldwide

Key HVAC full forms

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IMPORTANT FULL FORMS

HVAC – Heat ventilation air conditioner

AHU – Air handling unit

FCU – Fan coil unit

CSU – Ceiling suspended unit

PAC – Precession air condition

BTU – British thermal unit

PSI – Pound square inches

TR – Tonnage of refrigerant

VAV – Variable adjustable valve

VRV – Variable refrigerant valve

VRF – Variable refrigerant flow

RPM – Revolution per minute

DC – Direct current

DB – Distribution box

ACB – Air circuit breaker



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In daily HVAC practice, technicians use many abbreviations that can confuse beginners and even young engineers. This article explains the most important HVAC abbreviations and their correct full forms, including HVAC, AHU, FCU, PAC, BTU, PSI, TR, VAV, VRV, VRF, RPM, DC, DB and ACB, with practical notes for real projects.

AC vs DC Refrigerator Compressors

Category: Refrigeration

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Refrigerator Compressors

AC vs DC

AC COMPRESSOR

- Runs on Alternating Current
- Less Energy Efficient
- Noisy Operation
- Simple and Cost-effective

DC COMPRESSOR

- Runs on Direct Current
- Highly Energy Efficient
- Quiet Operation
- Advanced Speed Control



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DC inverter refrigerator compressor vs AC compressor energy efficiency, noise level, temperature control, digital inverter technology, home and commercial cooling – Mbsmpro.com

Siemens SITRANS FM MAG 6000, 7ME6920-1AA10-1AA0

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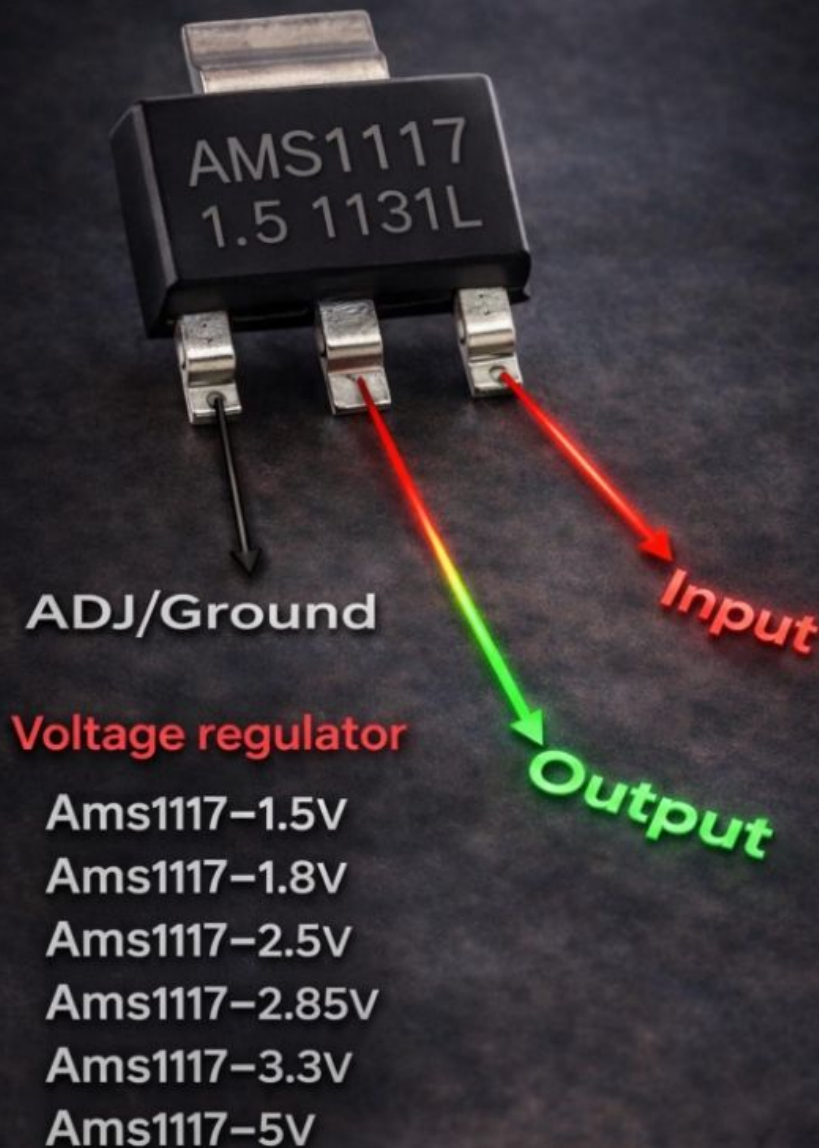
Siemens SITRANS FM MAG 6000 7ME6920-1AA10-1AA0 electromagnetic flow transmitter
115-230V AC IP67 NEMA 6 high-accuracy water and process flow measurement with
batch control and diagnostics

AMS1117 Voltage Regulator

Category: Electronic

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Technical chahal 1m



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AMS1117 voltage regulator pinout input output ground fixed versions 1.5V 1.8V 2.5V 2.85V 3.3V 5V applications

Trane 24000 BTU, 4MXTE24ASB000AB, 4TXKE24ASB0000A

Category: air conditioner

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Discover the technical specifications, electrical data and installation guidelines for the Trane 24,000 BTU middle static pressure duct type air conditioner using R410A, ideal for residential and light commercial ducted systems.

GR-EFV45, El Araby Toshiba

Category: Refrigeration

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The Toshiba 3-door 16 cu.ft no-frost silver refrigerator from El Araby is built for households that need generous storage and dependable cooling without complicated controls. With about 351 liters of net capacity, vapor no-frost technology and a dedicated middle fresh zone, it keeps frozen, fresh and ready-to-cook foods neatly organized.