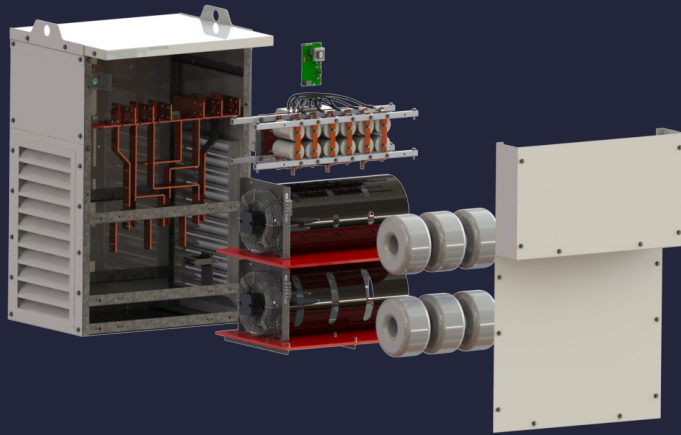




magnetics
Removing Harm From Harmonics



EMPOWERING ENERGY SYSTEMS THROUGH INTELLIGENT CONTROL



TALON™ (Thermal & Advanced Logic Operations Network) is an advanced CPU control board designed to provide comprehensive thermal protection, input voltage monitoring, THD calculation, harmonic data, and capacitor current regulation. Leveraging Modbus TCP over ethernet, it offers intelligent control and real-time monitoring, ensuring optimized energy systems with enhanced safety and efficiency.



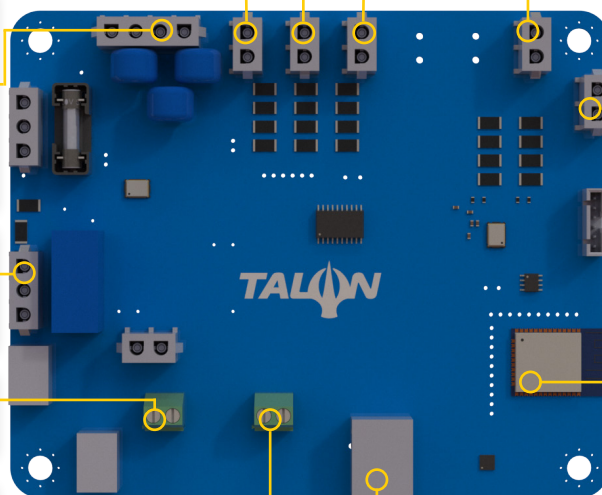
INPUT CURRENT MEASUREMENT:
THD

FILTER INPUT VOLTAGE MEASUREMENT:
MEASURES 480V INPUT, CALCULATES THD, AND RECORDS OVERVOLTAGE EVENTS.

AUTOMATIC CAPACITOR CONTACTOR CONTROL & CONTROL OVER MODBUS

SAFETY RELAY OUTPUT

OPTIONAL EXTERNAL CAPACITOR CONTACTOR CONTROL SWITCH



CAPACITOR CURRENT MEASUREMENT:
ENSURES CAPACITORS DO NOT EXCEED CURRENT RATING

OUTPUT CURRENT MEASUREMENT:
ENGAGES AUTOMATIC CAPACITOR CONTACTOR

WIFI ACCESS POINT:
REAL-TIME MONITORING OF READINGS VIA SMARTPHONE

ETHERNET/MODBUS TCP:
REAL-TIME MONITORING OF READINGS OVER WEB-INTERFACE DATA LOGGING AND CAPACITOR CONTACTOR CONTROL OVER MODBUS TCP

TALON™:

Energy Control with Advanced Thermal Intelligence and Real-Time Monitoring.

MONITOR:

- Harmonic Distortion
- Grid Voltage Spikes
- Cabinet Temperature

COMMUNICATE:

- Live Data: Voltage, Current, THD
- Ethernet/Modbus TCP

MANAGE:

- Device for Load
- Auto Contactor Engagement
- Overheating Protection

Unmatched Performance:

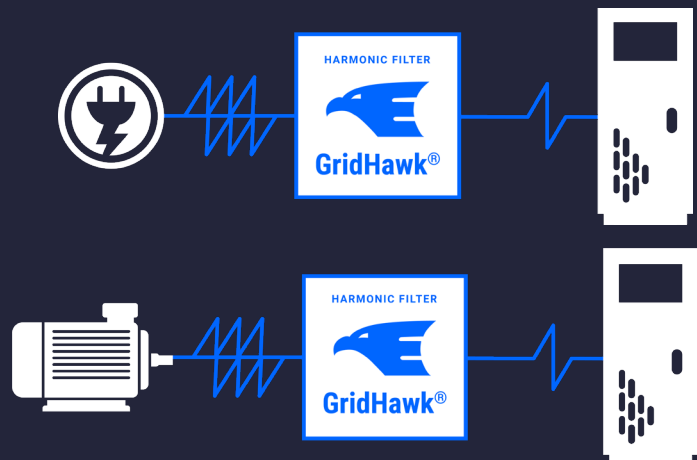
TALON™ & GridHawk® Seamless Integration for Harmonic Mitigation & IEEE-519 Compliance.



Unlike competitors, our integrated power quality solutions prevent unnoticed filter failures, mitigate harmonic distortion, meet IEEE-519 standards, and aid in avoiding citations from grid enforcement. TALON paired with CTM GridHawk Harmonic Filters, deliver comprehensive information and safety measures, guaranteeing optimal efficiency in your power quality operations.



GridHawk® Solutions



Disclaimer: The information provided about the TALON™ control board and GRIDHAWK® harmonic filter is intended for general informational purposes. While our products are designed to meet specific industry standards and undergo rigorous testing, external factors like forces of nature (lightning strikes), improper installation, and high THD levels may impact performance. CTM Magnetics disclaims liability for unforeseen events and recommends users adhere to guidelines and consult technical support for optimal usage.