

Power Quality Technology Comparison

What each technology is designed to address

Technology	Voltage Regulation	Surge Protection	Noise Filtering	Harmonic Mitigation	Power Factor Correction	Load Balancing	Backup Power	Monitoring & Controls	Best For
Surge Protector / TVSS	No	Yes	Limited	No	No	No	No	No	Spikes & transients
Voltage Regulator / Stabilizer	Yes	Limited	Limited	No	No	No	No	Basic	Voltage-sensitive loads
Line / Noise Filter	No	No	Yes	No	No	No	No	No	EMI / RFI noise
Passive Harmonic Filter	No	No	No	Yes*	No	No	No	Basic	Targeted harmonics
Active Harmonic Filter (AHF)	Limited	No	Yes	Yes*	No	Yes	No	Yes	Dynamic harmonics & imbalance
UPS	Yes	Yes	Yes	No	No	No	Yes	Yes	Critical loads / backup
APFC Panel / Capacitor Bank	No	No	No	No	Yes	No	No	Basic	Low power factor
Integrated Power Conditioner	Yes	Yes	Yes	Yes*	Optional	Yes	No	Advanced	Broad PQ improvement
ACCENTZ, INC. Systems	Optimizes V & I	Yes	Yes	Full spectrum	Yes	Yes	No	Advanced	Comprehensive dynamic PQ correction

* Harmonic capability depends on technology design, sizing, tuning, and application.

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