



Industrial Uninterrupted Power Supply (UPS)



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Why Buy From KEMET?

KEMET is your seamless, integrated, single source for capacitance solutions worldwide. With 95% of possible dielectric solutions, global availability, on-time delivery, plus full custom design services. One world. One source. One KEMET.

Features & Benefits

- Products for every power and environment
- Standard, optimized and custom designs
- A decade of experience in power applications
- Direct mount snubber version with six tab styles to fit most IGBTs
- AEC Q200 part level qualifications

Customer Questions

- Specific questions for the DC Link capacitor:
 - What is the needed capacitance value?
 - What is the ambient temperature profile?
 - What is the requirement for the expected lifetime?
 - Is there cooling? What kind?
 - What is the nominal and maximal DC voltage?
 - What is the ripple current and frequency?
 - Is the ripple current steady-state or intermittent?
- Specific questions for the Snubber:
 - Is the IGBT module with screw or pin connections?
 - What is the current rating of the IGBT?
 - Will it be used alone or in a network?
 - What rated voltage is required?
- Specific questions for Filter Capacitors:
 - What is the rated AC voltage and cap value?
 - What is the ripple current and frequency?
 - What is the maximum operating temperature?

For more information, samples and engineering kits, please visit us at www.kemet.com or call 1.877.myKEMET.

Programs Supported

- Input/output filter
- Power Factor Correction (PFC)
- DC link
- Snubber

KEMET Products & Competition

Product Family	KEMET Series	Form	Competition
Input / Output Filter			
Power Film	C4AT (low power)	Box type, Wire terminals	TDK-EPC, AVX, Shizuki, CDE, Electronicon, ECI, Vishay, Icar
Power Film	C44A C44P (filter)	Aluminum can, Stud terminals	TDK-EPC, Shizuki, Electronicon, Vishay, Icar
Standard Film	R82, R66, MMK, SMR, GMC, SMC, LDE, LDB	Surface mount, Through-hole	TDK-EPC, Panasonic, AVX, Vishay, WIMA
Power Factor Correction			
Power Film	C93	Aluminum can, Faston terminals	TDK-EPC, Shizuki, Electronicon, Vishay, Icar
Tantalum MnO2	T491, T494, T495, T498, T499, T35X	Surface mount, Through-hole	AVX, Vishay, Nichicon
Tantalum KO	T520, T525, T530	Surface mount	AVX, Sanyo, NEC
Aluminum Polymer	A700	Surface mount	UCC, CDE, Panasonic
Ceramics	AUTO, Open-Mode, FF/FE/FT-Cap, AUTO Aximax, AUTO Goldmax	Surface mount, Through-hole	Murata, TDK-EPC, Samsung, AVX, Novacap, Johanson, Syfer
DC Link Capacitor			
Aluminum Electrolytic	ALS, ALC, PEHFxx	Screw terminals, Snap-in	UCC, Panasonic, TDK-EPC, Hitachi, CDE
Snubber			
Power Film	C4AS C4BS	Box type, IGBT box	TDK-EPC, AVX, WIMA, CDE, Electronicon, ECI, Vishay, Icar
Specialty & Customer Solutions			
Available upon request. Please contact your local KEMET representative.			

UPS Block Diagram

