

# Industrial

# **Uninterrupted Power Supply (UPS)**



## Why Choose KEMET

KEMET applies world-class service and quality to deliver industry-leading, high performance capacitance solutions worldwide. With 95% of possible dielectric solutions, KEMET offers the world's most complete line of surface mount and through-hole capacitor technologies across tantalum, ceramic, film, aluminum and paper dielectrics. One world. 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

#### **Product Checklist**

#### • 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.

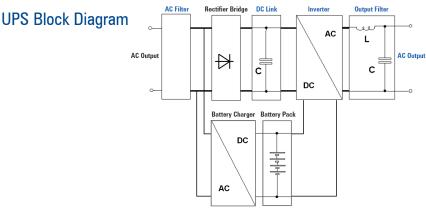
# **Programs Supported**

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

#### **KEMET Products**

Product Family	KEMET Series	Form
Input / Output Filter	).	3
Power Film	C4AT (low power)	Box type,
		Wire terminals
Power Film	C44A	Aluminum can,
	C44P (filter)	Stud terminals
Standard Film	F611-612, SMR, F161, GMC,	Surface mount,
	SMC, LDE, LDB	Through-hole
Power Factor Correction		·
Power Film	C93	Aluminum can,
		Faston terminals
Tantalum Mn02	T491, T494, T495, T498,	Surface mount,
	T499, T35X	Through-hole
Tantalum KO	T520, T525, T530	Surface mount
Aluminum Polymer	A700	Surface mount
Ceramics	AUTO, Open-Mode,	Surface mount,
	FF/FE/FT-Cap, AUTO Aximax,	Through-hole
	AUTO Goldmax	
DC Link Capacitor	·	·
Aluminum Electrolytic	ALS, ALC, PEH5xx	Screw terminals,
		Snap-in
Snubber	•	<del></del>
Power Film	C4AS	Box type, IGBT box
	C4BS	

Available upon request. Please contact your local KEMET representative.



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