

Solution tree

UPS, UPS By-Pass and Static Transfer Systems

VFI Input Output separate		VFI, VFD		VFI	BP	STS			
Utilities Transformer (DC Link 108 V) (200 kVA)		Industrial Transformer (DC Link 216 V DC) (200 kVA)	Oil & Gas Transformer (DC Link 108 V DC) (100 kVA)	Data Center Transformerless (DC Link 480 V DC) (up to 8 MW @ 250-500 kVA per unit)	for internal and external By-Passes				
Line Side Converter	Decoupling Diode	Line Side Converter	Line Side Converter	Line Side Converter					
Discs > T3800N16TOF > T3160N16TOF > T2600N16TOF > T2180N16TOF > T1900N16TOF > T1700N16H75 > T1500N16TOF > T1400N16H75 > T1190N16TOF Stacks for UPS up to 500 V RMS* > B6C 500/676-2983-3KE02-6T1900N > B6C 500/676-3611-3KE02-6T2600N > B6C 500/676-4584-3KE02-6T3800N > B6C 500/676-5107-6KE01-6T3800N	Discs > D4810N28 Stacks for UPS up to 500 V RMS* > D4810N-KE01	Thyristor Modules > ETZ1100N16P70 > TZ860N16KOF > TZ800N16KOF > TZ600N16KOF > TT820N16KOF > TT600N16KOF > ETT630N16P60 > ETT580N16P60 > TT570N16KOF > TT500N16KOF > TT390N16SOF > TT330N16KOF > TT330N16AOF > TT320N16SOF > TT285N16KOF > TT280N16SOF > TT270N16KOF > TT240N16SOF > TT190N16SOF > TT160N16SOF > TT120N16SOF > TT60N16SOF	Thyristor Modules > ETZ1100N16P70 > TZ860N16KOF > TZ800N16KOF > TZ600N16KOF > TT820N16KOF > TT600N16KOF > ETT630N16P60 > ETT580N16P60 > TT570N16KOF > TT500N16KOF > TT390N16SOF > TT330N16KOF > TT330N16AOF > TT320N16SOF > TT285N16KOF > TT280N16SOF > TT270N16KOF > TT240N16SOF > TT190N16SOF > TT160N16SOF > TT120N16SOF > TT60N16SOF	Thyristor Modules > ETZ1100N16P70 > TZ860N16KOF > TZ800N16KOF > TZ600N16KOF > TT820N16KOF > TT600N16KOF > ETT630N16P60 > ETT580N16P60 > TT570N16KOF > TT500N16KOF > TT390N16SOF > TT330N16KOF > TT330N16AOF > TT320N16SOF > TT285N16KOF > TT280N16SOF > TT270N16KOF > TT240N16SOF > TT190N16SOF > TT160N16SOF > TT120N16SOF > TT60N16SOF	Thyristor Modules > ETZ1100N16P70 > TZ860N16KOF > TZ800N16KOF > TZ600N16KOF > TT820N16KOF > TT600N16KOF > ETT630N16P60 > ETT580N16P60 > TT570N16KOF > TT500N16KOF > TT390N16SOF > TT330N16KOF > TT330N16AOF > TT320N16SOF > TT285N16KOF > TT280N16SOF > TT270N16KOF > TT240N16SOF > TT190N16SOF > TT160N16SOF > TT120N16SOF > TT60N16SOF	Discs > T3800N16TOF > T3160N16TOF > T2600N16TOF > T2180N16TOF > T1900N16TOF > T1700N16H75 > T1500N16TOF > T1400N16H75 > T1190N16TOF Stacks for UPS >1MVA up to 480 V RMS* > W1C 480/480-2354-KE02-2T1900N > W1C 480/480-2825-KE02-2T2600N > W1C 480/480-3580-KE02-2T3800N > W1C 480/480-4005-2KE01-2T3800N > W3C 480/480-2354-3KE02-6T1900N > W3C 480/480-2825-3KE02-6T2600N > W3C 480/480-3580-3KE02-6T3800N > W3C 480/480-4005-6KE01-6T3800N	Thyristor Modules > ETZ1100N16P70 > TZ860N16KOF > TZ800N16KOF > TZ600N16KOF > TT820N16KOF > TT600N16KOF > ETT630N16P60 > ETT580N16P60 > TT570N16KOF > TT500N16KOF > TT390N16SOF > TT330N16KOF > TT330N16AOF > TT320N16SOF > TT285N16KOF > TT280N16SOF > TT270N16KOF > TT240N16SOF > TT190N16SOF > TT160N16SOF > TT120N16SOF > TT60N16SOF	Discs > T3800N16TOF > T3160N16TOF > T2600N16TOF > T2180N16TOF > T1900N16TOF > T1700N16H75 > T1500N16TOF > T1400N16H75 > T1190N16TOF Stacks for UPS >1MVA up to 480 V RMS* > W1C 480/480-2354-KE02-2T1900N > W1C 480/480-2825-KE02-2T2600N > W1C 480/480-3580-KE02-2T3800N > W1C 480/480-4005-2KE01-2T3800N > W3C 480/480-2354-3KE02-6T1900N > W3C 480/480-2825-3KE02-6T2600N > W3C 480/480-3580-3KE02-6T3800N > W3C 480/480-4005-6KE01-6T3800N	

* Other designs available on request

Type explanation for Stacks:
Circuit input/output voltage - Current - (Number of) Heatsink - (Number of) Semiconductors

VFI: Voltage frequency independent (Double conversion topology)
 VFD: Voltage and frequency dependent (Stand-by topology)
 BP: By-Pass systems
 STS: Static transfer systems

