

**Power supply voltage**

230-950 VAC $\pm 10\%$

Frequency

from 45 to 65 Hz

Output voltage

400-950 VDC

Output current

30-4000 A

Control circuit power supply

380 V $\pm 15\%$

400 V $+10\%$ -20% (30 VA)



The best choice for
performance and reliability

Product Overview

Our high performance compact three-phase AC/DC thyristor converters offer two or four quadrant operation, high, dynamic response, ease of customization and fully digital control.

These drives are the ideal solution for all types of industrial DC applications, from the most simple to the most complex. They have been designed for use in industrial environments and are ideal for application requirements in the steel, paper, cement, naval and industrial sectors.

Our DC Drives converters are user-friendly and offer:

- Insensitivity to network frequencies and input phase rotation
- Checking of the status of the drive at power on and tachogenerator connections
- Converter configuration without the use of special tools
- Automatic calibration, thanks to the auto-tuning function
- Display of main variables and faults
- Recording of main variables

The hardware and software of our converters can be configured to respond to the requirements of the system.

Main Applications

Metals

- Hot Rolling Mills
- Cold Rolling Mills
- Process Lines
- Rolling Mills for Non-Ferrous Materials
- Fume Dedusting Plants
- Stirrers

Material Handling

- Packaging Lines
- Conveyor Belts
- Lifting Systems
- Magnetic Plants

Cement

- Furnaces
- Separators
- Mills
- Primary and Secondary Fans
- Exhaust Systems

Plastic

- Mixers
- Extruders
- Calanders

Also suitable for marine applications

Technical Data

2 Quadrant												
		Output Current	Input Voltage						Dimensions			
			Available = •						L	H	P	Weight
Model	Frame	A	400 - 500 V	600 V	690 V	750 V	850 V	950 V	mm	mm	mm	Kg
SPDM030U	I	30	•	•					230	320	168	4
SPDM060U	I	60	•	•					230	320	220	7
SPDM080U	I	80	•	•					230	320	220	7
SPDM110U	I	110	•	•					230	320	220	10
SPDM160U	II	160 (1)	•	•					230	420	240	13
SPDM200U	II	200 (1)	•	•					230	420	240	13
SPDM260U	II	260 (1)	•	•					230	420	240	13
SPDM350U	II	350 (1)	•	•					230	420	240	14
SPDM450U	III	450 (1)	•	•					230	570	262	18
SPDM500U	III	500 (1)			•				230	570	262	21
SPDM600U	III	600 (1)	•	•					230	570	262	21
SPDM850U	IIIL	850 (1)	•	•	•				230	875	350	46
SPDM1M0U	IIIL	1000 (1)	•	•					288	875	390	47
SPDM1M1U	IIIL	1100 (1)	•	•					288	875	390	47
SPDM1K5U	IV	1500 (2)			•	•	•	•	484	1100+212	420	100
SPDM1K6U	IV	1650 (2)	•						484	1100+212	420	100
SPDM1K7U	IV	1700 (2)	•		•	•	•	•	484	1100+212	420	100
SPDM2K1U	IV	2100 (2)	•						484	1100+212	420	100
SPDM2K2U	V	2200 (2)	•		•	•	•	•	560	875+300	563	150
SPDM2K5U	V	2500 (2)	•		•	•	•	•	560	875+355	563	150
SPDM3K1U	V	3100 (2)	•		•	•	•	•	560	875+355	563	180
SPDM3K6U	V	3600 (2)	•		•	•	•	•	560	875+355	563	230
SPDM4K0U	V	4000 (2)	•		•	•			560	875+355	563	230
4 Quadrant												
SPDM030R	I	30	•	•					230	320	168	5
SPDM060R	I	60	•	•					230	320	220	8
SPDM080R	I	80	•	•					230	320	220	8
SPDM110R	I	110	•	•					230	320	220	11
SPDM160R	II	160 (1)	•	•					230	420	240	15
SPDM200R	II	200 (1)	•	•					230	420	240	15
SPDM260R	II	260 (1)	•	•					230	420	240	15
SPDM350R	II	350 (1)	•	•					230	420	240	17
SPDM450R	III	450 (1)	•	•					230	570	262	20
SPDM500R	III	500 (1)			•				230	570	262	26
SPDM600R	III	600 (1)	•	•					230	570	262	26
SPDM750R	IIIL	850 (1)			•				230	875	350	57
SPDM850R	IIIL	1000 (1)	•	•					230	875	350	57
SPDM1M0R	IIIL	1100 (1)	•	•					288	875	390	58
SPDM1M1R	IIIL	1500 (2)	•	•					288	875	390	58
SPDM1K5R	IV	1650 (2)			•	•	•	•	484	1100+212	420	125
SPDM1K6R	IV	1700 (2)	•						484	1100+212	420	125
SPDM1K7R	IV	2100 (2)			•	•	•	•	484	1100+212	420	125
SPDM2K1R	IV	2200 (2)	•						484	1100+212	563	125
SPDM2K2R	V	2500 (2)			•	•	•	•	560	875+355	563	200
SPDM2K5R	V	3100 (2)	•		•	•	•	•	560	875+355	563	200
SPDM3K1R	V	3600 (2)	•		•	•	•	•	560	875+355	563	270
SPDM3K6U	V	4000 (2)	•		•	•	•	•	560	875+355	563	320
SPDM4K0U	V	4000 (2)	•		•	•			560	875+355	563	320

(1)= With 1x230V, 50/60Hz fan- (2)= With 3x380V-50Hz/440V-60Hz fan- Higher power on request with the use of RTT modules.