

AC Drive Options



AC DRIVE OPTIONS AT-A-GLANCE

AC Drives

Options & Accessories	Description	Commander Series				Unidrive SP	Order Code
		SL	SX	SK	GP20		
Base Drive Configuration and Programming	Cloning and Parameter Storage		✓	✓	✓	✓	SX=XPRESS-KEY, SK=SMARTSTICK GP20=GP20-SMARTCARD, SP=SMARTCARD
	Configuration Software		✓	✓	✓	✓	SX=SXSFT SK, GP20, SP=CTSFT
	PC Configuration Tool / Cloning	✓					9500-0078
	Communications Cable - RS232/485	✓	✓	✓	✓	✓	CT-COMMS-CABLE
	Communications Cable - USB	✓	✓	✓	✓	✓	CT-USB-CABLE
Operator Interface	No Keypad Option					✓	-NKP
	LED Keypad			✓		✓	SK=SK-KEYPAD-REMOTE SP=SM-KEYPAD SP SIZE ZERO=KEYPAD-SP0
	LCD Keypad			✓	✓	✓	SK, SP=SM-KEYPAD-PLUS GP20=CGP-KEYPAD-PLUS
	Programmable HMI Panels		✓	✓	✓	✓	See Options & Accessories
Power Accessories	Zero-Space Brake Resistor		✓	✓	✓	✓	Based on Drive
	E-Stop Duty Braking Resistor		✓	✓	✓	✓	See Options & Accessories
	Cyclic Duty Braking Resistor		✓	✓	✓	✓	See Options & Accessories
Environmental Protection and Cable Management Options	Internal EMC Filter		✓	✓	✓	✓	Standard
	External EMC Filters	✓	✓	✓	✓	✓	See Options & Accessories
	Top Cover and Conduit Entry - NEMA Kit	✓		✓	✓	✓	See Options & Accessories
	Conduit boxes	✓	✓	✓	✓	✓	See AC Drive Options & Accessories
Feedback Solutions Modules	Universal Encoder Feedback SM-UNIVERSAL ENCODER PLUS					✓	SM-UNI-ENCODER
	Incremental Encoder Input SM-ENCODER PLUS					✓	SM-ENCODER-PLUS
	Incremental Encoder Input & Output SM-ENCODER OUTPUT PLUS					✓	SM-ENCODER-OUT
	Resolver Feedback					✓	SM-RESOLVER
	Screw Terminal Connector					✓	SM-ETC
I/O Solution Modules	Extended Analog and Digital I/O				✓	✓	SM-I/O-PLUS
	Extra I/O with Encoder Reference			✓	✓	✓	SM-I/O-LITE
	32 Point Digital I/O			✓	✓	✓	SM-I/O-32
	Extra I/O with Real-Time Clock/Calendar			✓	✓	✓	SM-I/O-TIMER
	120/240 Volt AC I/O			✓	✓	✓	SM-I/O-120V
	Double Insulated Extended I/O			✓	✓	✓	SM-I/O-PELV
	Remote Network I/O					✓	See Options & Accessories
	24 Volt Protected I/O			✓	✓	✓	SM-I/O-24V
Bipolar Analog Input for Direction Control			✓			SM-BIPOLAR	

* For complete product descriptions please refer to the Options and Accessories section.

AC DRIVE OPTIONS AT A GLANCE continued

Options & Accessories	Description	AC Drives				Unidrive SP	Order Code
		Commander Series					
		SL	SX	SK	GP20		
Communications Solutions Modules	Modbus RTU Follower		✓	✓	✓	✓	Standard
	Modbus RTU Master SM APPLICATIONS PLUS					✓	SM-APPS-PLUS
	DeviceNet			✓	✓	✓	SM-DEVICENET
	PROFIBUS DP			✓	✓	✓	SM-PROFIBUS-DP
	Ethernet (Modbus TCP/IP, Ethernet IP)			✓	✓	✓	SM-ETHERNET
	Interbus-S			✓	✓	✓	SM-INTERBUS
	CANopen			✓	✓	✓	SM-CANOPEN
	CAN Interface					✓	SM-CAN
	Ethernet (EtherCAT)			✓	✓	✓	SM-ETHERCAT
	SERCOS					✓	SM-SERCOS
	CTNet (SM APPLICATIONS PLUS)					✓	SM-APPS-PLUS
	CTSync (SM APPLICATIONS PLUS)					✓	SM-APPS-PLUS
Application Solutions Modules	Systems Programming (Centralized Control) SM APPLICATIONS LITE V2					✓	SM-APPS-LITE-V2
	Systems Programming (Distributed Control) SM APPLICATIONS PLUS					✓	SM-APPS-PLUS
	High Speed Capture & Registration					✓	SM-REGISTER
	Dedicated Motion Control					✓	SM-EZMOTION ⁴
Applications Module Programming Software ⁶	Ladder and Function Blocks			✓	✓	✓	SYPTLITE ⁵
	IEC 61131-3 (Ladder, FB, and Text Based)					✓	SYPTPRO
	"Motion Made Easy" TM Programming					✓	POWERTOOLSPRO
Miscellaneous	IP54 or IP55 Heatsink Fans			✓	✓	✓	Based on Drive

⁴ Only one of these modules can be used in a Unidrive SP at a time

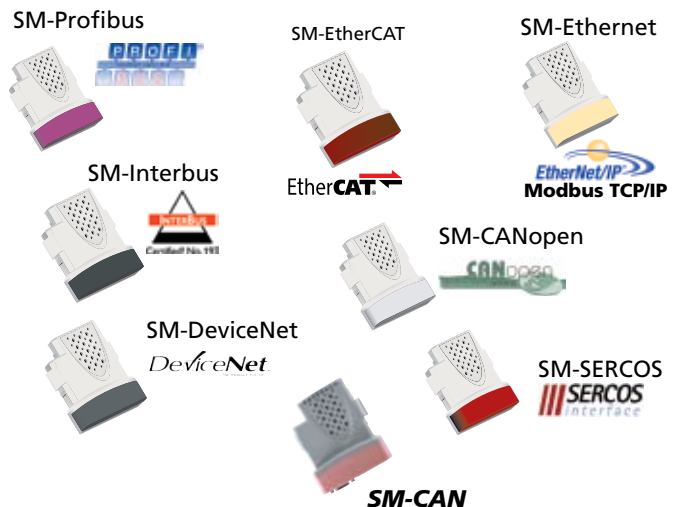
⁵ Available via free web site download only

⁶ See the Software section for complete details

Communication Modules

SM NETWORK COMMUNICATION MODULES

SM communication option modules can be inserted in a drive's option slot allowing control and monitoring of that drive on fieldbus networks. The standard Modbus-RTU port can also be used for drive configuration using CTSOft. The most popular industrial network protocols are available in the SM range of options.



See the Connectivity section for complete communication module details.