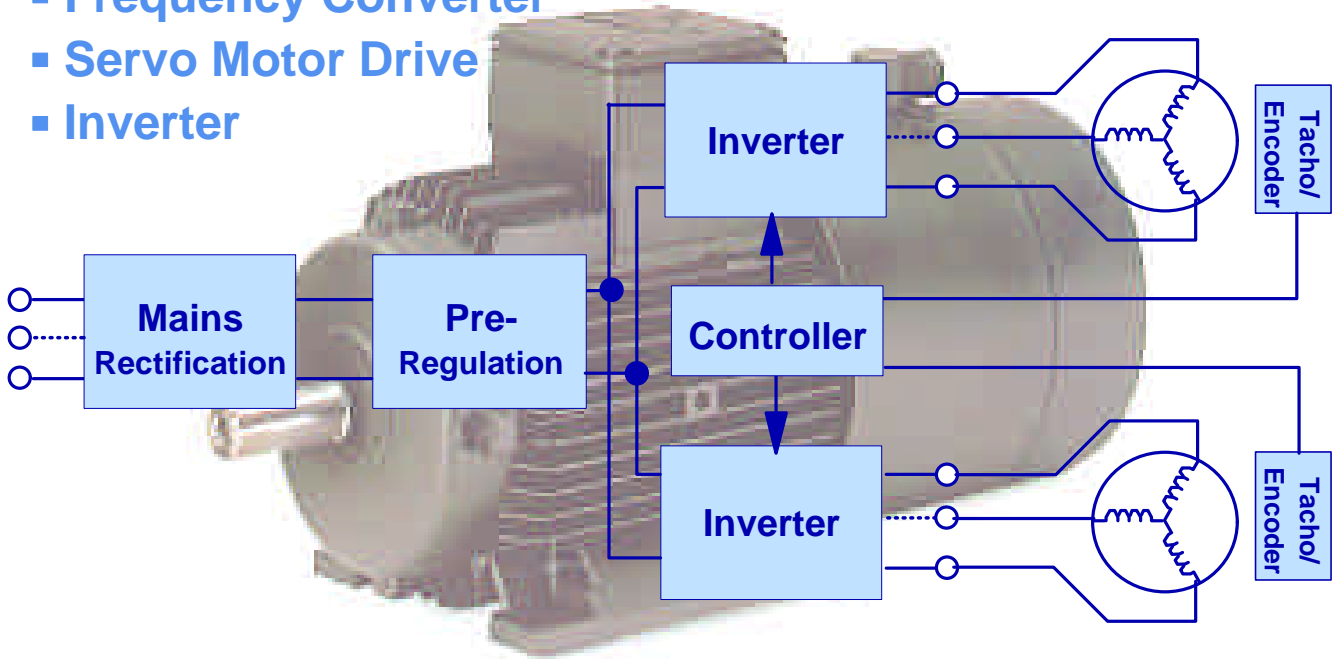


BRUSHLESS MOTOR DRIVE

STMicroelectronics SOLUTIONS

- Frequency Converter
- Servo Motor Drive
- Inverter



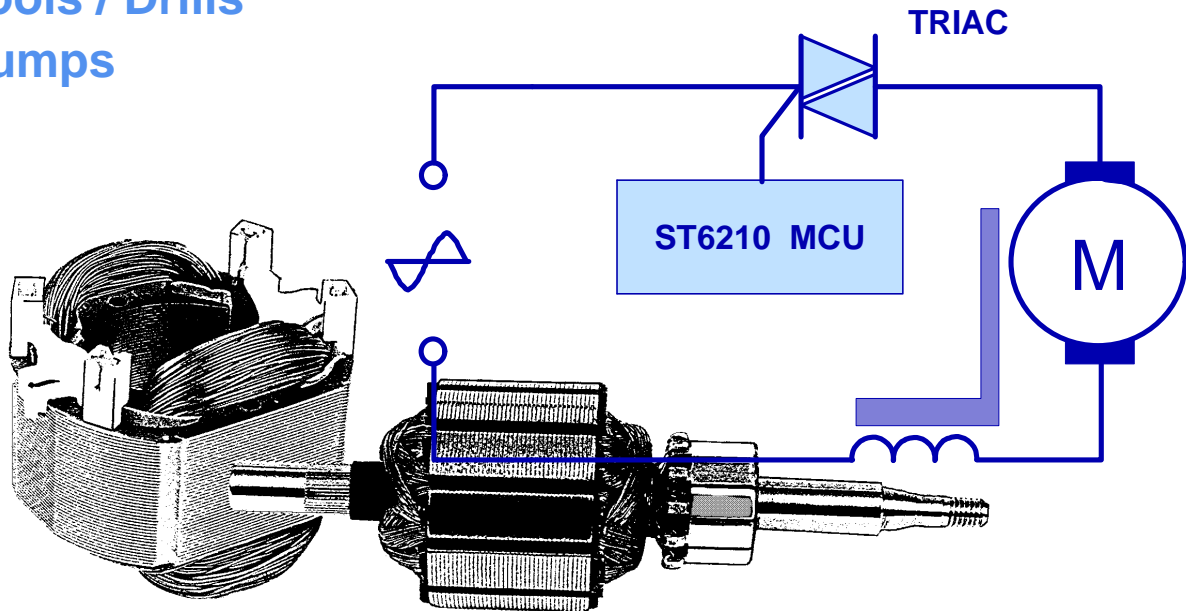
	RECOMMENDED DEVICES	MAIN FEATURES
Mains Rectification	BTW68/69 - xxx BF3506TV /10TV BHA/K3012TV MSSxx / MDSxx	Soft Start Thyristor 30-55A 1200V insulated Input Rect. Bridge - 600V/35A;1000V/35A Input Rect. Bridge - 1200V / 30A (3-ph.) Input Rect. Bridge - Thyristor - Diode Module
Pre-Regulator	L4981A/B ST90(R)50 STW/Y/ExNA60 /90 STTAxx06 / 12 STTH806TTI	High Efficiency Power Factor Controller 8/16 Bit MCU with 3 Multifunct. Timer for PWM Mosfet in TO247 / Max247 / ISOTOP 600V /900V Turboswitch A Ultrafast Diode 8A 2x300V Hyperfast Diode / Low recovery current
Inverter	L6380/81 TD300/310 L6384 L6385 L6386 L6353/D STGP3N60D* STGD7NB60S* STGw20NB60HD* STGW30N60* STW15/20NB50 STY34NB50 STTAxx06 / 12	Triple Gate Drive - 16V, ±0.6A, DIP/SO14; DIP/SO16 H.V. Level Shifter - 600V, +0.13/-0.32A, DIP/SO8 H.V. Half Bridge Driver - 600V, +0.4/-0.65A, adj Dead Time, Shutdown, DIP/SO8 H.V. Half Bridge Driver - 600V, +0.4/-0.65A, DIP/SO8 H.V. Half Bridge Driver - 600V, +0.4/-0.65A, Shutdwn, Current Sense, DIP/SO14 High Current Gate Drive 8Apeak 600V, 3A IGBT TO220 600V, 7A IGBT TO220 600V, 20A Fast IGBT+Diode TO247 600V, 30A, IGBT TO-247 Mosfet 500V 15/20A high dV/dt Diode TO-247 Mosfet 500V 34A high dV/dt Diode Max247 Turboswitch A Ultra-Fast Diode
Controller	SERCON410B ST72MC* ST90(R)50 ST10F167 ST10R167	Real Time Communication Interface Optical Fibre or RS485 upto 1MBaud 8 Bit MCU dedicated for Motor Control 8/16 Bit MCU with 3 Multifunct. Timer for PWM 16-Bit MCU, 128Kb Flash, PWM channels, 10-Bit ADC, CAN 16-Bit Romless MCU, PWM channels, 10-Bit ADC, CAN

* In Development

UNIVERSAL MOTOR DRIVE

STMicroelectronics SOLUTIONS

- Food Processors
- Washing Machines
- Gate-Opener / Shutters
- Tools / Drills
- Pumps



	RECOMMENDED DEVICES	MAIN FEATURES
Motor Drive	BTA/Bxx-600C ST620X / 1X ST625X ST626X / 3X ST7231X ST7233X STGP7NB60HD STGP10N60L STGW20NB60HD STTAx06	Sensitive Triac Non insulated / Insulated 8-Bit MCU, 1-2Kb ROM/OTP, ADC (8-Bit), WD, 16-20-28Pins. 8-Bit MCU, 2-4Kb ROM/OTP, PWM, Input Cap., Output Com., ADC, 16-20-28Pins. 8-Bit MCU, 2-4-8Kb ROM/OTP, PWM, Input Cap, Output Com, ADC, ser.Com, 16-20-28-42 Pins 8-Bit MCU, 8-16-32Kb ROM/OTP, 2 Input Cap, 2 Output Com, ADC, ser.Com, 28-42-64 Pins 8-Bit MCU, 8-16-32Kb ROM/OTP, EEprom, 2 Input Cap, 2 Output Com, ADC, ser.Com, 28-42-64 Pins 600V, 7A Fast IGBT+Diode TO220 600V, 10A, low Vcesat, IGBT 600V, 20A Fast IGBT+Diode TO247 Turboswitch A - Ultra Fast Diode,

* In Development

LOW VOLTAGE MOTOR DRIVES

STMicroelectronics SOLUTIONS

<p>Motor Drive</p> <p>L295 L6219 L6258 L9930 / 35 L9947 / 97 PBL3717A TEA3717 /18</p>	<p>Power Bridge</p> <p>L272 L2720/22/24/26 L293B/C/D/E L298N L6201 / PS L6202/03 L6204 L6234 L6205/6/7</p>	<p>Pre - Driver</p> <p>TD300/10 L6380/81 L6384 L6385/6 L6569/A L6571A</p>	<p>Power Switches</p> <p>Ultra Low Ron Power Mosfets STycNEvv vv: 30-200V cc: 1-60A y: SOT223, DPAK, D2PAK TO220, TO247 Max247 etc.</p>	<p>Controller</p> <p>L297 L297A L6506</p>	<p>DC - Motor</p> <p>Stepper Motor</p> <p>3-Ph. Brushless</p>
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	RECOMMENDED DEVICES	MAIN FEATURES
Controller	L297 / 1 L6506 ST7231X ST7233X ST7227X	Stepper Motor Controller - Phase Generator; Half/Full Step; Prog. Current PWM Current Controller for Stepper Motors 8-Bit MCU, 8-16-32Kb ROM/OTP, 2 Input Capture, 2 output compare, ADC, ser. com, 28-42-64 Pin ST7231X plus EEprom ST7231X (but ROM/OTP 8 or 16Kb) plus DAC
Pre - Driver	TD300 / 310 L6380 / 81 L6384 L6385 L6386 L6569 / A L6571A	Triple Gate Drive - 16V, ±0.6A, DIP/SO14; DIP/SO16 H.V. Level Shifter - 600V, +0.13/-0.32A, DIP/SO8 H.V. Half Bridge Driver - 600V, +0.4/-0.65A, adj Dead Time, Shutdown, DIP/SO8 H.V. Half Bridge Driver - 600V, +0.4/-0.65A, DIP/SO8 H.V. Half Bridge Driver - 600V, +0.4/-0.65A, Shutdown, Current Sense, DIP/SO14 H.V. Half Bridge Driver & Oscillator - 600V, +0.17/-0.27A, Bootstrap Diode, DIP/SO8 H.V. Half Bridge Driver & Oscillator - 600V, +0.17/-0.27A, DIP/SO8
Power Bridge	L272 L2720 / 22 / 24 / 26 L293B / E L293C L293D L298N / HN / P L6201 / 2 L6201PS / 03 L6204 L6234 / PD L6205 / 6 / 7*	Dual Power OP-Amp - 28V, 1ADIP8/16, SO16 Dual Low Drop Power OP-Amp - 28V, 1A, Int. Diodes / DIP16 / DIP8 / SIP9 / SO20 Dual Full-Bridge Driver - 36V, 1A, DIP16 / DIP-20 Dual Full-Bridge Driver - 44V, 0.6A, DIP-20 Dual Full-Bridge Driver - 36V, 0.6A, Int. Diodes DIP16 / SO20 Dual Full-Bridge Driver - 46V, 2A, Multiwatt15/PSO-20 Full-Bridge Driver - 48V, 1/1.5A, Int. Diodes, DIP18 / SO20 Full-Bridge Driver - 48V, 4A, Int. Diodes, PSO-20 / Multiwatt Dual Full-Bridge Driver - 48V, 0.5A, Int. Diodes, DIP20 / SO28 Three-Phase half bridge Driver, 48V 2.8/4A, Int. Diodes, DIP20 / PSO-20 Double Full-Bridge 55V 2.8A / 4A, Short Circuit, PWM, Int. Diodes PSO-20
Motor Drive	L295 L6219/D/DS L6258 * L9930 / PD* L9935 L9947* L9997D/ ND* TEA/PBL3717/A TEA3718	Dual Full-Bridge Driver - 46V, 2.5A, Multiwatt 15 Dual Full-Bridge Driver - 46V, 0.75A, Int. Diodes, PWM, Full-, Half, Microstep Dual Full-Bridge Driver - 36V, 1.5A, Int. Diodes, PWM, Full-, Half, Microstep, PSO36 Dual Full-Bridge Driver - 18V, 0.5A, Diagnosis, Int. diodes, Multiwatt/PSO-20 Dual Full-Bridge -24V, 1.1A, SPI, Int. Diodes, PSO-20 Dual Full-Bridge Drive & High Side - 16V, 0.5/3.0/2.5A Micro-Interface, Multiwatt Full-Bridge Drive - 16.5V, 1/1.2A, Diagnosis, Int. Diodes, SO20 Stepper Motor Driver - Vs<46V;1A; ¼ step Stepper Motor Driver - Vs<50V; 1.5A, diff. Current Level

* Device in Development

STMicroelectronics leader in Analog Smart Power IC offers system-on-chip solutions

