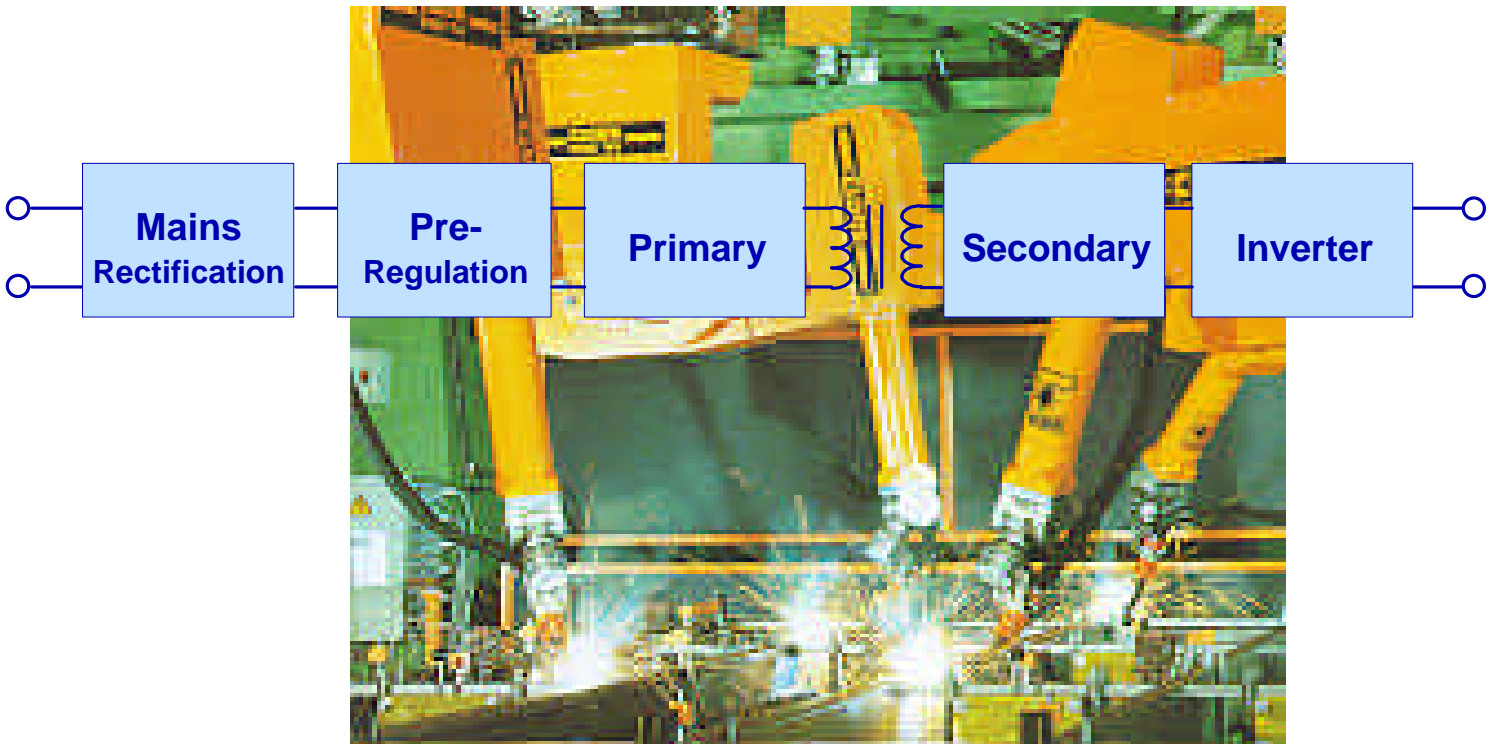


WELDING

STMicroelectronics SOLUTIONS



	RECOMMENDED DEVICES	MAIN FEATURES
Mains	BF3506TV / BF3510TV BHA/K3012TV MSSxx / MDSxx BTW68-xxx / BTW69-xxx	Input Rect. Bridge - 600V/35A; 1000V/35A Input Rect. Bridge - 1200V/30A (3-ph.) Input Rect. Bridge - Thyristor-Diode Module Soft Start - Insulated Thyristor 30A...55A
Pre-Regulation	L4981A/B STP/U/W/Y/ExxNB50/60 STTH806TTI	Average-Current Cont. Mode Power Factor Controller 500/600V Mosfet TO220/Max220/TO247/Max247/ISOTOP 8A, 2x300V Hyperfast Diode / Low recovery current
Primary	UC3842/3/4/5 A/B L4990/A L6380/81 TD300N/310N STU/W/Y/ExxNB50 STTAxx06 D/P/TV VB408*	Current Mode PWM Controller Enhanced PWM Controller - 1MHz, Soft Start, Inhibit, low pwr. cons. Level Shifter 600V - current loop control Mosfet Driver 3 x 600mA Mosfet 500V Max220/TO247/Max247/ISOTOP TurboSwitch A-Series, Ultra Fast, soft recovery 400V Auxiliary Supply 80mA Max.
Secondary	STTH20003TV BYT200PIV-400 W210PIV-400 BYT231/261PIV-400	2x100A, 300V, fast trr, low I _{rm} High Power Diodes ISOTOP - 2 x 100A, 400V High Power Diodes ISOTOP - 3 x 70A, 400V High Power Diodes ISOTOP 2 x 30A / 2 x 60A
Inverter	STGW50N60* L6353/D BUT230V	IGBT 50A, 600V - low V _{cesat} High Current Transistor Driver 8A _{peak} Power Switch V _{cesat} = 1.2V@200A

* In Development