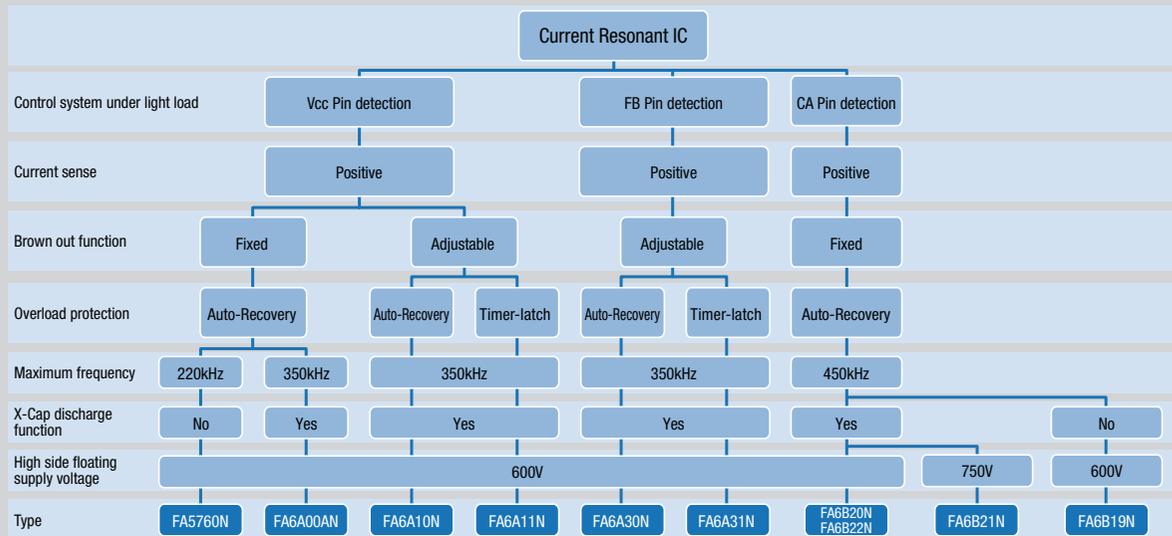


## Current Resonant ICs Products

Generation	Series	Type name	Applied circuit	Built-in start up circuit	High side floating voltage	X-Cap discharge function	Brown out function	Low standby mode switching	Duty	Overcurrent detection	Frequency fsw	Protection mode			Light-load switching	Power supply voltage Vcc	Vcc threshold voltage		Package	Features																										
												Overcurrent	Overload	Overvoltage			ON	OFF																												
3rd generation	FA6Bxx Series	FA6B19N	Current resonant LLC (Half bridge)	✓ (600V)	600V	—	✓ Fixed	CA Pin detection Auto switching/ external switching	50%	+ detection	Self-oscillation 25-450kHz	Auto-recovery	Auto-Recovery	Auto-Recovery	Burst operation FB pin control	14-29V	14V	9V	SOP-16	Auto standby function State setting function																										
		FA6B20N			750V	✓														Fixed	50%	+ detection	Self-oscillation 25-450kHz	Auto-recovery	Auto-Recovery	Auto-Recovery	Burst operation FB pin control	14-29V	14V	9V	SOP-16	Transient response improvement Auto standby function														
		FA6B21N																														600V	✓	Fixed	50%	+ detection	Self-oscillation 25-450kHz	Auto-recovery	Auto-Recovery	Auto-Recovery	Burst operation FB pin control	14-29V	14V	9V	SOP-16	BO detection delay extension type Auto standby function
		FA6B22N																																												600V
FA6A00AN	✓ (600V)	600V	✓	Adjustable	50%	+ detection	Self-oscillation 38-350kHz	Auto-recovery	Auto-Recovery	Timer-latch	Burst operation Vcc pin control	14-27V	12V	9V	SOP-16	Brown out Detection level adjustment State setting function Supports W/W voltage																														
FA6A10N																600V	✓	Adjustable	50%	+ detection	Self-oscillation 38-350kHz	Auto-recovery	Auto-Recovery	Timer-latch	Burst operation FB pin control	14-27V	12V	9V	SOP-16	State setting function Brown out Detection level adjustment Supports W/W voltage																
FA6A11N																															600V	✓	Adjustable	50%	+ detection	Self-oscillation 38-350kHz	Auto-recovery	Auto-Recovery	Timer-latch	Burst operation FB pin control	14-27V	12V	9V	SOP-16	State setting function Brown out Detection level adjustment Supports W/W voltage	
FA6A30N																																														600V
FA6A31N	600V	✓	Adjustable	50%	+ detection	Self-oscillation 38-350kHz	Auto-recovery	Auto-Recovery	Timer-latch	Burst operation FB pin control	14-27V	12V	9V	SOP-16	State setting function Brown out Detection level adjustment Supports W/W voltage																															
1st generation																FA5760 Series	FA5760N	Current resonant LLC (Half bridge)	✓ (600V)	600V	✓	✓ Fixed	External switching STB pin	50%	+ detection	Self-oscillation 25-220kHz	Auto-recovery	Auto-Recovery	Timer-latch	Burst operation Vcc pin control	10-24V	12V	8.9V	SOP-16	Power good signal output Supports W/W voltage											

### Features

- Realize 1 convertor circuit structure at world wide input power
- Built-in High side driver
- Preventing capacitive region operation
- Protect functions (Over current/Over voltage/Over load/Over heat/Brown out)
- Green mode function (Intermittent switching)



### Circuit example (PFC + LLC) : FA1A60N, FA6B20N

