



High Voltage DCDC Step-Down Regulators

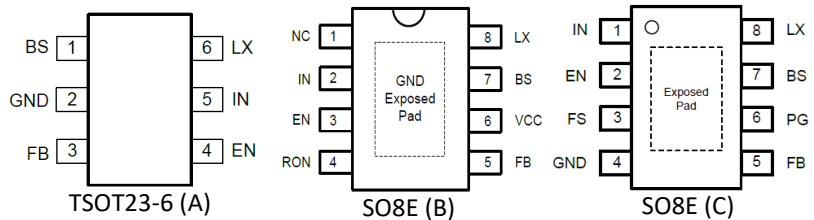
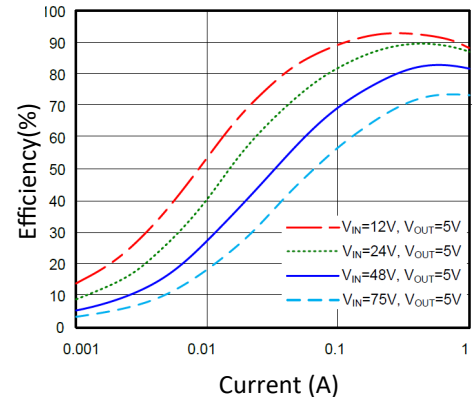
A Range of 100V 0.6A-3.0A regulators suitable for *Industrial & Telecom* applications

Part Number	Quiescent/Shutdown Current (uA)	V _{IN} (V)	I _{out} (A)	V _{OUT} (V)	F _{sw} (MHz)	Package (Pinout)	Internal Switches HS/LS (mΩ)	Features
SY21034ADC	100/9	4.5-100	0.6	0.6*(1+RH/RL)	0.2	TSOT23-6 (A)	1000/-	Instant PWM
SY21035FCC	-/8	7-100	0.6	1.225*(1+RH/RL)	0.2-0.6	SO8E (B)	500/285	Instant PWM with FCCM
SY21051FCC	400/5	7-100	1	1.2*(1+RH/RL)	0.2-1.0	SO8E (B)	500/240	Instant PWM
SY21053FCC	-/8	7-100	1	1.225*(1+RH/RL)	0.2-0.6	SO8E (B)	500/240	Instant PWM with FCCM
SY21252FCC	100/2	4.5-100	2	0.8*(1+RH/RL)	0.1-0.5	SO8E (C)	150/-	Adaptive COT and Power Good
COMING SOON SY21253FCC	100/2	4.5-100	3	0.8*(1+RH/RL)	0.1-0.5	SO8E (C)	150/-	Adaptive COT and Power Good

FEATURE Highlights

- 100V Input Voltage
- Synchronous devices have low R_{DS(ON)} switches
- 2ms internal Soft-start -> *limits inrush current*
- Programmable Switching Frequency
- SY21035/53 have precise +/-2% Vref (-40°C to +125°C)**
- Instant PWM operation -> *Fast Transient Response*
- Cycle-by-Cycle Peak Current Limit
- UVLO, OCP, OTP protection
- RoHS Compliant and Halogen Free

SY21053FCC



Highly Efficient -Space Saving - Easy Design - Robust Performance
 Silergy's HV regulators simplify the Art of Power Supply Design