

For Immediate Release

Press Release

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SG to showcase its green-mode Power ICs at Tatronics Taipei 2002

Taipei, Taiwan , 2002.9.18 –System General Corp, the global leader of green-mode Power IC, will showcase its complete range of product solutions during Tatronica Taipei 2002.

Starting from January 2001, the EEC (European Economic Community) has set strict rule about no-load power consumption. The table below shows the detailed regulations for different implementation phases.

Rated Input Power	No-load power consumption		
	Phase I	Phase 2	Phase 3
	1.1.2001	1.1.2003	1.1.2005
0.3W ~ 15W	1.0W	0.75W	0.3W
15W ~ 50W	1.0W	0.75W	0.5W
50W ~ 70W	1.0W	0.75W	0.75W

In addition, US President Bush signed an executive order directing all federal agencies to purchase products and appliances that meet a one-watt standby standard. One-Watt standby power will be soon be required in all appliances. It is estimated that the total stand-by power costs USA US\$ 3.5 billion per Year.

System General' s Green-mode ICs:

SG6848

- Green-mode PWM to support "Blue Angel" Norm
- Low start up current 5uA
- Low operation current 3mA
- Leading-edge blanking
- Constant output power for wide input range
- Built-in synchronized slope compensation
- Current mode operation
- Cycle-by-cycle current limiting

- Under voltage lockout (UVLO)
- Few external components
- Low cost solution
- Small SOT-236 package

SG6840

- Green-mode PWM to support "Blue Angel" Norm
- Low start up current 30uA
- Low operation current 3mA
- Leading-edge blanking
- Totem pole output includes soft driving for better EMI
- Built-in synchronized slope compensation
- Constant output power limit
- Current mode operation
- Cycle-by-cycle current limiting
- Under voltage lockout (UVLO)
- Programmable PWM frequency
- GATE output maximum voltage clamped at 18V
- Short circuit protection
- Programmable over-temperature protection
- Few external components & low cost solution

SG384X

- Enhanced 384X series replacement pin-out
- Green-mode function linearly decreases PWM frequency at light & no load conditions
- 30uA start-up current
- 3.8mA operating current
- Cycle-by-cycle current limiting
- Zero cross-conduction
- High current totem pole output
- Internally trimmed bandgap reference
- Fast current sense propagation delay
- Up to 1MHZ operation
- Under voltage lockout (UVLO) with hysteresis

SG6841

- Green-mode PWM to support "Blue Angel" Norm
- Low start up current 30uA
- Low operation current 3mA

- Leading-edge blanking
- Built-in synchronized slope compensation
- Totem pole output includes soft driving for better EMI
- Constant output power limit
- Current mode operation
- Cycle-by-cycle current limiting
- Under voltage lockout (UVLO)
- Programmable PWM frequency
- GATE output maximum voltage clamped at 18V
- Build-in limited-power-control to meet safety requirement
- Short circuit & Programmable over-temperature protection
- Few external components & low cost solution

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