

Green-Mode PWM Controller with Integrated Protections

Features

- Current Mode PWM
- Very low Startup Current
- Under Voltage Lockout (UVLO)
- Non-Audible-Noise Green-Mode Control
- Programmable Switching Frequency
- Cycle-by-Cycle Peak Current Limiting
- Internal Leading-Edge Blanking
- Internal Slope Compensation
- Internal 4ms Soft Start (Fs=65KHz) (GR8835A only)
- VCC Over Voltage Clamp (GR8835A only)
- Gate Output Voltage Clamp (GR8835A only)
- Soft driving for reducing EMI (GR8835A only)
- OVP (Over Voltage Protection) on VCC Pin
- OLP (Over Load Protection)
- OCP (Over Current Protection) on CS Pin
- 300mA Driving Capability
- Meet the standard of Green Partner, SONY SS-00259

Applications

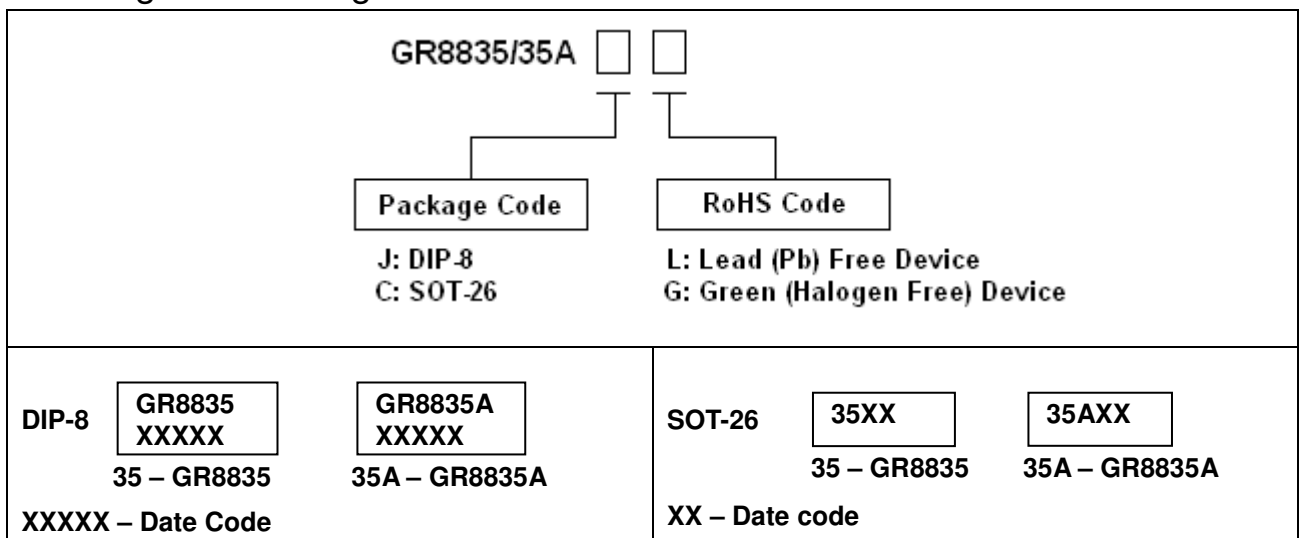
- Switching AC/DC Power Adaptor and Battery Charges
- Open-frame SMPS

Description

The GR8835/35A is a highly-integrated, low startup current, current mode PWM controller with Green-mode function. This function enables the power supply to easily meet even the strictest power conservation requirements. The integrated functions also include the leading-edge blanking of the current sensing, internal slope compensation, cycle-by-cycle peak current limiting and soft start (GR8835A only). OLP, OCP and OVP provide protection performance for fault conditions. To protect the external power MOSFET from being damaged by supply over voltage, the GR8835A gate voltage is clamped about 18V.

The GR8835/35A improves the performance and reduces the cost of power supplies. It is with both 8-pin DIP and 6-pin SOT-26 package.

Ordering and Marking Information



Greenergy OPTO Inc. reserves the right to make changes to improve reliability or manufacture ability without notice, and advise customers to obtain the latest version of relevant information to verify before placing orders.