

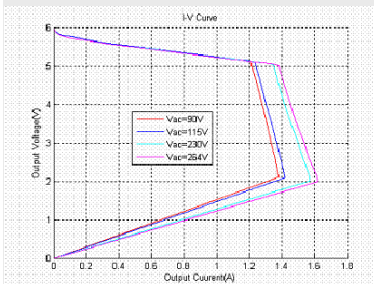
Primary-side Regulation PWM Power Controller

Description:

OB2210 is a highly integrated current mode PWM controller for low power AC/DC charger and adaptor applications. It operates in primary-side sensing and regulation. Consequently, opto-coupler and TL431 could be eliminated.

Applications:

- CC/CV Battery Charger
 - Cell/Cordless Phone Charger
 - Digital Camera Charger
 - PDA Charger
- Small Power Adapter
- Auxiliary Power for PC, TV etc.
- Linear Regulator/RCC Replacement



I-V Curve

Features:

- Primary-side sensing and regulation without TL431 and opto-coupler
- Multi-mode operation for high efficiency
- Programmable CV and CC regulation
- Adjustable constant current and output power setting
- Frequency shuffling and adjustable gate drive greatly improving EMI
- Power on soft-start time (4ms)
- "Extended Burst Mode Control" for improved efficiency and minimum standby design
- Built-in leading edge blanking (LEB)
- Cycle-by-Cycle current limiting
- VDD under voltage lockout with hysteresis (UVLO)
- VDD over-voltage shutdown and clamp
- Auto-restart in over-voltage condition
- Fail-safe protection for open loop fault condition
- Available in SOT23-6 packages, RoHS compliant

Typical Application:

