

New Product Release Available Now



Product: InnoSwitch™3-CE

Offline CV/CC Flyback Switcher IC with Integrated 650 V MOSFET Synchronous Rectification, FluxLink™ Feedback Constant Voltage and Constant Current (CV/CC) Up to 65 Watts



Description:

The InnoSwitch™-CE family of ICs dramatically simplify the development and manufacturing of low-voltage, high current power supplies, particularly those in compact enclosures or with high efficiency requirements. The InnoSwitch-CE architecture is revolutionary in that the devices incorporate both primary and secondary controllers, with sense elements and a safety-rated feedback mechanism (FluxLink) into a single IC. Close component proximity and innovative use of the integrated communication link permit accurate control of both the secondary-side synchronous rectification MOSFET and the primary-side MOSFET. This improves system reliability and ensures highest efficiency across the power range.

Features:

- Incorporates flyback controller, 650 V MOSFET, secondary-side sensing and synchronous rectification driver
- FluxLink™ integrated, HIPOT-isolated, feedback link
- Exceptional CV accuracy, independent of transformer and board component changes
- Accurate and programmable output current
- Multiple protection features including line and load overvoltage, overcurrent and secondary SR MOSFET open/short-circuit protection
- Less than 15 mW no-load, including input line sensing

Applications

- High current charger and adaptors for mobile devices
- Consumer electronics – set-top boxes, networking, gaming, LED

Product Specification

PRODUCT	Output Power (Watts)			
	230 VAC ± 15%		85-265 VAC	
	Adapter	Open Frame	Adapter	Open Frame
INN3162C-H1XX	10 W	12 W	10 W	10 W
INN3163C-H1XX	12 W	15 W	12 W	12 W
INN3164C-H1XX	20 W	25 W	15 W	20 W
INN3165C-H1XX	25 W	30 W	22 W	25 W
INN3166C-H1XX	35 W	40 W	27 W	36 W
INN3167C-H1XX	45 W	50 W	40 W	45 W

Related Product Information

- **Product Page:** <https://ac-dc.power.com/products/innoswitch-family/innoswitch3-ce/>
- **Data Sheet:** <https://ac-dc.power.com/design-support/product-documents/data-sheets/innoswitch3-ce-data-sheet/>
- **Video:** <https://ac-dc.power.com/videos/new-features-innoswitch3/>
- **Design Examples:**
 - [DER-610 - 10 W USB Charger](#)
 - [DER-544 - 40 W Dual Output Power Supply](#)
 - [DER-535 - 65 W Power Supply](#)
 - [DER-537 - 36 W Network Power Supply](#)