

# New Product Release Available Now



## Product: InnoSwitch™3-EP

Offline CV/CC QR Flyback Switcher IC with Integrated 725 V MOSFET, Synchronous Rectification and FluxLink Feedback for Applications Up to 45 W



### Description:

The InnoSwitch™3-EP series 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 architecture is revolutionary in that the devices incorporate both primary and secondary controllers, with sense elements and a safety-rated feedback mechanism into a single IC.

Close component proximity and innovative use of the integrated communication link – FluxLink™, permit accurate control of a secondary-side synchronous rectification MOSFET with Quasi-Resonant switching of the primary integrated high-voltage MOSFET to maintain high efficiency across the entire load range.

### Features:

- Maximizes efficiency across whole load range
- Incorporates a multi-mode Quasi-Resonant (QR) / CCM flyback controller, 725 V MOSFET, secondary-side sensing and synchronous rectification driver
- Integrated FluxLink™, HIPOT-isolated, feedback link
- Exceptional CV accuracy, independent of transformer design or external components
- Adjustable accurate output current sense using external output sense resistor
- Excellent multi-output cross regulation with weighted SSR feedback and synch FETs
- 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

- Major Appliances
- Industrial
- Utility meter
- Smart grid
- Solar inverters

### Product Specification

PRODUCT	Output Power (Watts) 85-265 VAC	
	Adapter	Open Frame
INN3672C-H6XX	12 W	10 W
INN3673C-H6XX	15 W	12 W
INN3674C-H6XX	25 W	20 W
INN3675C-H6XX	30 W	25 W
INN3676C-H6XX	40 W	36 W
INN3677C-H6XX	45 W	40 W

### Related Product Information

- Product Page: <https://ac-dc.power.com/products/innoswitch-family/innoswitch3-ep/>
- Data Sheet: <https://ac-dc.power.com/design-support/product-documents/data-sheets/innoswitch3-ep-data-sheet/>
- Video: <https://ac-dc.power.com/videos/new-features-innoswitch3/>
- Reference Design: [RDR-611 - 10 W Dual Output Power Supply](#)