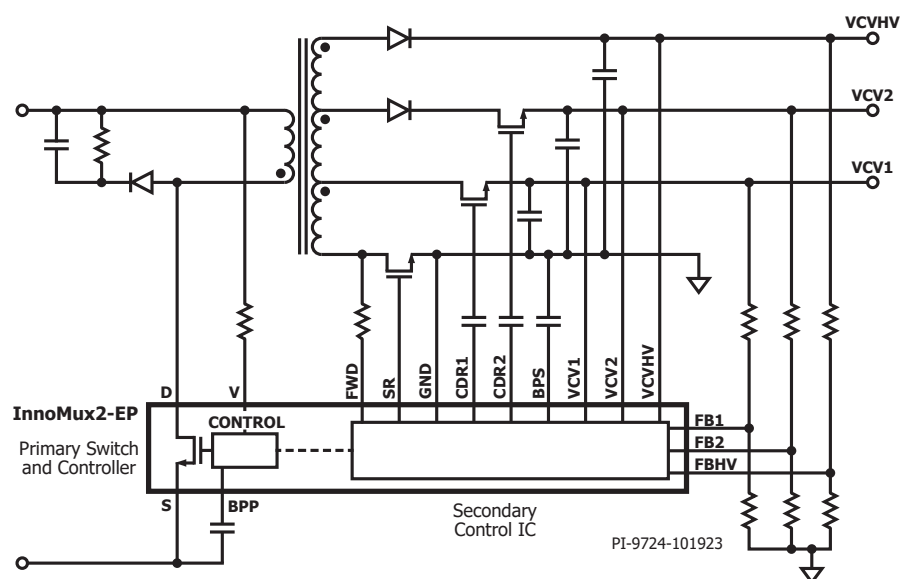


InnoMux™-2

- 650 V, 725 V, 750 V or 1700 V PowiGaN™ switch
- Up to 3 independently regulated outputs
 - Constant voltage and constant current outputs
 - Less than $\pm 1\%$ combined load/line/cross regulation
- Single-stage power conversion for high efficiency
 - Eliminates post-regulators
- Up to 10% higher efficiency

Off-Line Zero Voltage Switching (ZVS) Flyback Switcher IC for Multi-Output Applications



InnoMux2-EP: Typical Application with Three Constant Voltages

Applications

- 800 VDC AI Data Center Aux Power Supplies
- Monitors
- Industrial
- Appliances
- Televisions
- LED Lighting (Industrial, Stadium)
- Home Building Automation

Output Power

InnoMux2-EP		
Part Numbers	230 VAC $\pm 15\%$	85-265 VAC
650 V	1 CV & 1 CC Outputs	
IMX2267C	40 W	36 W
IMX2268C	55 W	50 W
IMX2278F	77 W	60 W
IMX2279F	88 W	70 W
IMX2270F	100 W	80 W
750 V	2 & 3 CV Outputs	
IMX2174F	20 W	15 W
IMX2175F	25 W	22 W
IMX2176F	35 W	27 W
IMX2177F	40 W	36 W
IMX2378F	70 W	55 W
IMX2379F	80 W	65 W
IMX2370F	90 W	75 W
1700 V	85-670 VAC Peak or Open Frame	200-1000 VAC Peak or Open Frame
IMX2353F	55 W	100 W



InSOP™-T28G Package



InSOP™-T28D Package



InSOP™-24B Package

CV = Constant Voltage Output CC = Constant Current Output

Design Support

Data Sheet	InnoMux2-EP data sheet (www.power.com/innomux2-ep-data-sheet)
App Note	AN-113 InnoMux-2 Family Design Guide (www.power.com/an-113)
Reference Design	1700 V PowiGaN high-voltage auxillary power supply for industrial lighting (DER-1104) (www.power.com/der-1104)
Reference Design	55 W combined emergency lighting and battery charger flyback PSU (DER-1081) (www.power.com/der-1081)
Reference Design	800 VDC AI data center aux power supply (DER-1114) (www.power.com/der-1114)
Reference Design	1700 V PowiGaN for AI data center (DER-1110) (www.power.com/der-1110)
Reference Design	60 W flyback converter with two independently regulated outputs using 1700 V InnoMux2-EP with PowiGaN (RDK-1053) (www.power.com/rdk-1053)
Reference Design	50 W dual regulated output flyback for TV, industrial, and appliances using InnoMux2-EP (RDK-1043) (www.power.com/rdk-1043)
Reference Design	82 W flyback with 2 constant voltage and 1 constant current outputs for clothe-dryer rack using InnoMux2-EP (DER-1050) (www.power.com/der-1050)
Design Example	52 W constant voltage and constant current output flyback for TV and HBA using InnoMux2-EP (DER-714) (www.power.com/der-714)
Design Example	62 W multi-output regulated flyback for TV, industrial, and appliances using InnoMux2-EP (DER-716) (www.power.com/der-716)