

PowiGaN™ Technology



Key Features

- Unmatched efficiency
- Straightforward design process
- $V_{DS(MAX)}$ 750 V
- Up to 110 W in an InSOP™ package
- Qualified to JEDEC standards

Product Families Featuring PowiGaN Technology



InnoSwitch™3-CP

Chargers
Rapid Charging USB PD



InnoSwitch™3-EP

Embedded PSUs
CV/CC Industrial and Commercial Applications



InnoSwitch3-Pro

Rapid Charging USB PD + PPS
Programmable Power Conversion



InnoSwitch3-MX

ENERGY STAR® 8 / 2021 EU Labeling for TVs, Monitors and Appliances

Combine with InnoMux™ for Multi-Output CV/CC



LYTSwitch™-6

Lighting Ballasts
Down-Lights

Industrial and Commercial Lighting

Output Power

InnoSwitch3-EP

Part Number	$V_{DS(MAX)}$ (V)	Peak or Open Frame (W)	
		230 VAC ±15%	85-265 VAC
INN3678C	750	75	65
INN3679C	750	85	75
INN3670C	750	100	85

InnoSwitch3-CP

Part Number	$V_{DS(MAX)}$ (V)	Peak or Open Frame (W)	
		230 VAC ±15%	85-265 VAC
INN3278C	750	70	55
INN3279C	750	80	65
INN3270C	750	90	75

InnoSwitch3-Pro

Part Number	$V_{DS(MAX)}$ (V)	Adapter (W)		Open Frame (W)	
		230 VAC ±15%	85-265 VAC	230 VAC ±15%	85-265 VAC
INN3378C	750	70	75	55	65
INN3379C	750	80	85	65	75
INN3370C	750	90	100	75	85

InnoSwitch3-MX

Part Number	BV Rating (V)	85-265 VAC	
		Nominal Continuous (W)	Max Continuous (W)
INN3478C	750	55	65
INN3479C	750	65	75
INN3470C	750	75	85

LYTSwitch-6

Part Number	$V_{DS(MAX)}$ (V)	85-305 VAC	380/450 VDC
		Wide Range	PFC Input
LYT6078C	750	65	90
LYT6079C	750	75	100
LYT6070C	750	85	110

Design Examples

- 100 W 2-Stage Boost and Isolated Flyback Dimmable LED Ballast Using HiperPFS™-4 PFS7626C and LYTSwitch-6 GaN-based LYT6079C (DER-801) (www.power.com/der-801)
- 65 W Adapter Power Supply Using InnoSwitch3-EP (DER-747) (www.power.com/der-747)
- 100 W USB PD Type-C Charger Using InnoSwitch3-CP and HiperPFS-4 (DER-602) (www.power.com/der-602)
- 100 W USB PD 3.0 with 3.3 V-21 V PPS Charger Using InnoSwitch3-Pro and VIA Labs VP302 Controller (DER-805) (www.power.com/der-805)
- 60 W USB PD 3.0 with 3.3 V-21 V PPS Charger Using InnoSwitch3-Pro and Weltrend WT6635P Controller (DER-802) (www.power.com/der-802)