

PowiGaN Technology

- PowiGaN-based ICs achieve up to 95% efficiency across the full load range
- Up to 105 W in enclosed adapter applications
- No heatsink required
- Straightforward design process

Product Families Featuring PowiGaN Technology



InnoSwitch3-CP

Chargers
Rapid Charging USB PD

InnoSwitch3-Pro

Rapid Charging USB PD + PPS
Programmable Power Conversion



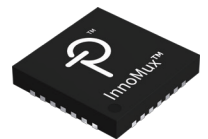
InnoSwitch3-EP

Embedded PSUs
CV/CC Industrial and Commercial Applications



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

InnoSwitch4-CZ

USB PD Adapters
Tool and eBike Chargers



Output Power

InnoSwitch4-CZ					
Part Number	$V_{DS(MAX)}$ (V)	85-264 VAC		385 VDC (PFC Input)	
		Adapter (W)	Open Frame (W)	Adapter (W)	Open Frame (W)
INN4073C	750	60	70	75	80
INN4074C	750	75	85	95	100
INN4075C	750	80	90	105	110

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)	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 Wide Range	380/450 VDC PFC Input
LYT6078C	750	65	90
LYT6079C	750	75	100
LYT6070C	750	85	110

Design Support

Design Example

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)

Design Example

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)

Design Example

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)