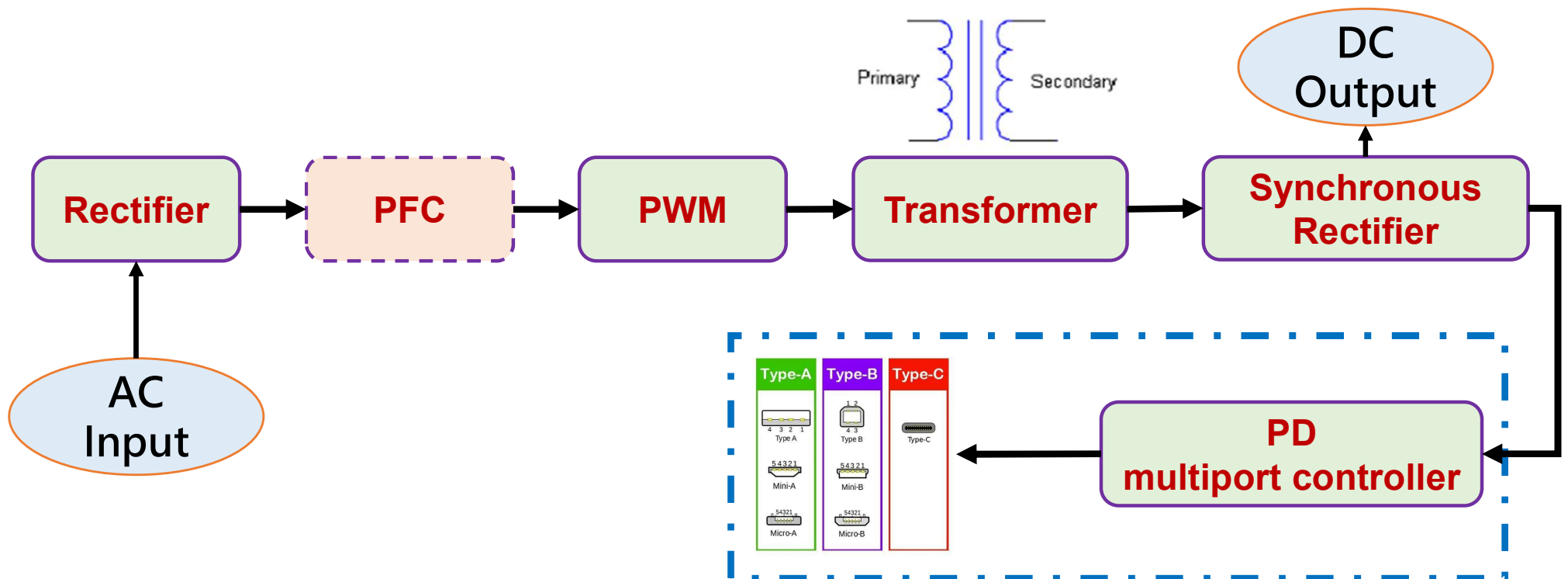


MOSFET Applications

Adapter and Charger Power (Power Delivery, PD) Solutions

Key features and benefits

- High power density.
- Higher switching frequency.
- Better thermal performance and EMI behavior.
- Lower losses and controlled switching behavior.
- Short circuit protection with higher peak current rates



MOSFET Applications

Adapter and Charger Power (Power Delivery, PD) Solutions

Power Rating (W)	20	33	45	65	≥ 70
Topology	QR flyback	QR flyback	QR flyback	QR flyback	QR flyback
High-voltage PWM switch	SJ-MOS	SJ-MOS	SJ-MOS	SJ-MOS	SJ-MOS
SJ-MOS Suggestion (V)	600~800V	600~800V	600~800V	600~800V	600~800V
Package Suggestion	TO-220F TO-252 TO-263 DFN8x8	TO-220F TO-252 TO-263 DFN8x8	TO-220F TO-252 TO-263 DFN8x8	TO-220F TO-252 TO-263 DFN8x8	TO-220F TO-252 TO-263 DFN8x8
Medium-voltage SR switch	SGT-MOS	SGT-MOS	SGT-MOS	SGT-MOS	SGT-MOS
SGT-MOS Suggestion (V)	30~60V	30~60V	60~100V	60~200V	60~200V
Package Suggestion	PPAK 3x3 PPAK 5x6	PPAK 3x3 PPAK 5x6	PPAK 3x3 PPAK 5x6	PPAK 3x3 PPAK 5x6	PPAK 3x3 PPAK 5x6
Full-load efficiency @264V Vin (in%)	>87%	>89%	>90%	>90%	>90%
Full-load efficiency @100V Vin (in%)	>88%	>89%	>90%	>90%	>90%