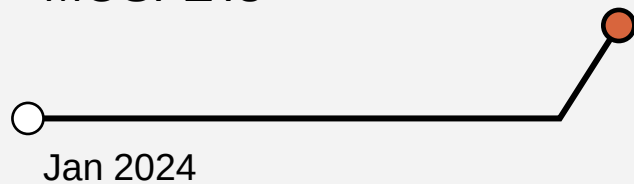


Application Guide

MOSFETs



➤ **Power Solutions**

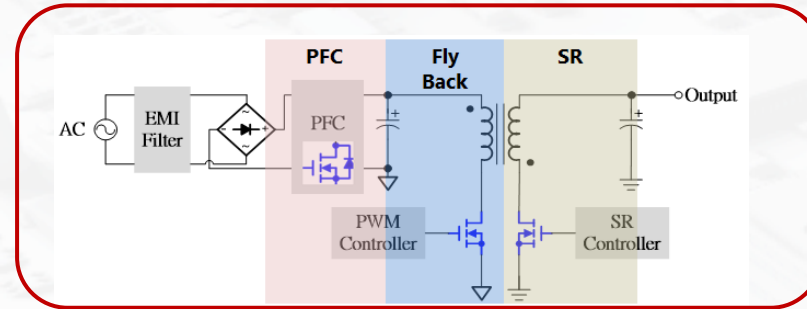
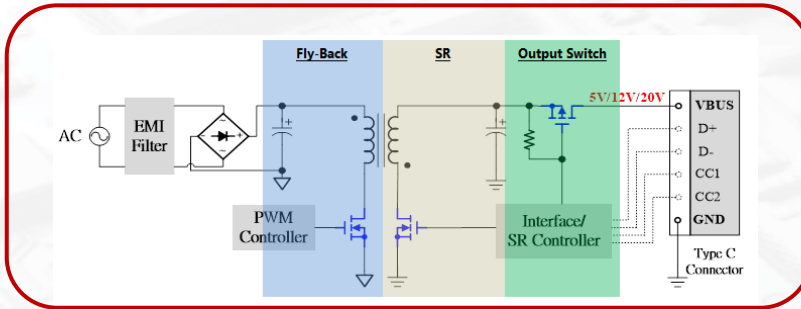


➤ **Motion Solutions**

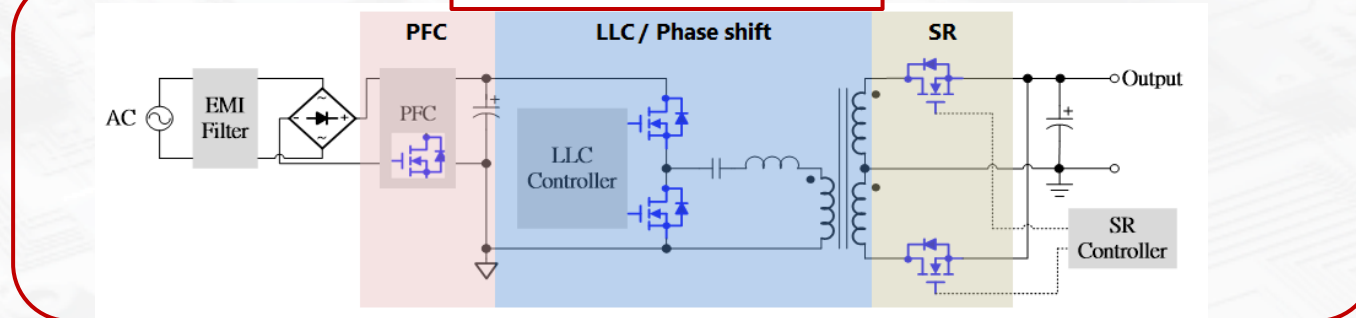


➤ **Computing Solutions**

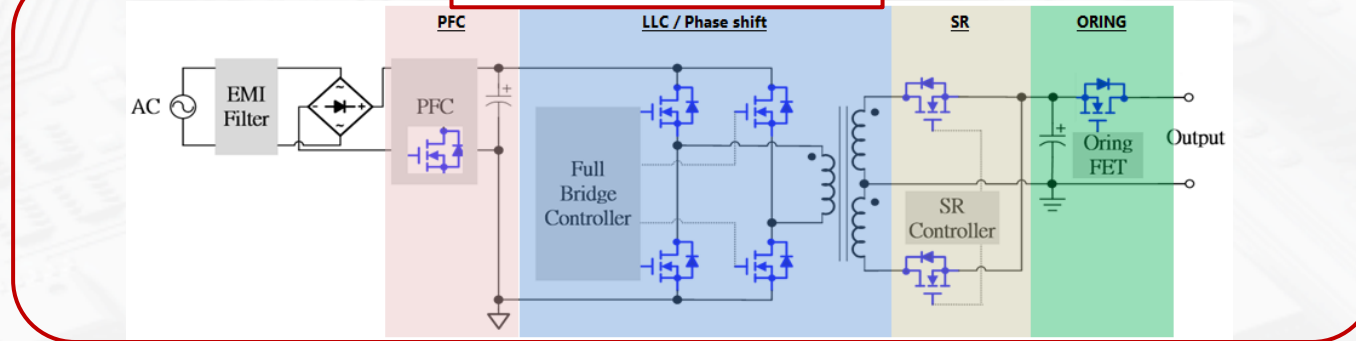




Mid ~ High Power SMPS



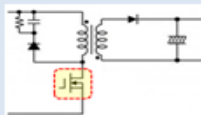
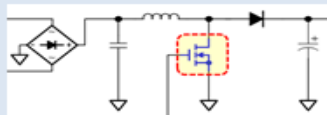
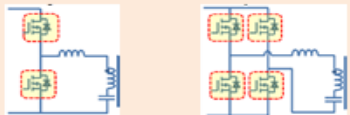
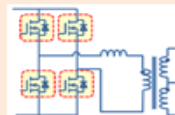
Mid ~ High Power SMPS



YAGEO Power Solution - SJ MOSFETs - I

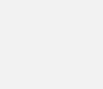
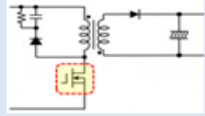
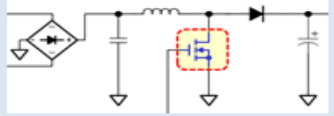
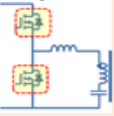
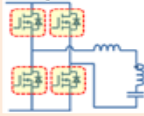
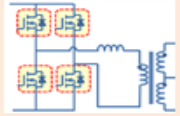
XSEMI



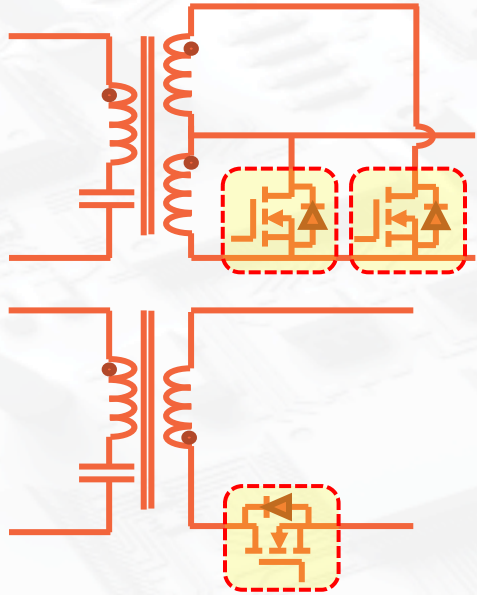
Application	Charger & Adapter		PC & Gaming Power		Server Power & Telecom	
						
Topology	Hard Switching			Resonant		
	Fly-back		PFC	LLC		Phase shift
						

VDS (V)	R _{DS(ON)} @V _{GS} =10V (mΩ)	TO-220F (I)	TO-220F-NL (IN/IT)	TO-220 (P)	TO-252 (H)	TO-262 (R)	TO-263 (S)	TO-247 (W)	TO-251S (JB)	PDFN8x8 (DT8) TOLL (TL)
600	30									XP60SE030DTL
	45							XP60SC045QWL		XP60SE040DTL
	60							XP60SC060QWL		XP60SC065DDT8 XP60SC060ADTL
	95		XP60SC095DIT XP60SC085DIT XP60BM095IT					XP60SC095DWL XP60BM095WL		XP60SC085DDT8 XP60SC099DDT8 XP60SC090DTL
	130	XP60SA115DI	XP60SC120DIT XP60BM115IT	XP60SA115DP XP60SC120DP		XP60SA115DR XP60SC120DR				XP60SA125DDT8 XP60SC125DDT8 XP60BM125DT8
	160	XP60SL160DI	XP60SC160IT XP60BM160IT	XP60SL160DP	XP60SE150DH	XP60BM160R	XP60SL160DS			XP60SE150DDT8
	190	XP60SA180DI	XP60SA180DIN XP60SC180DIT	XP60SA180DP XP60SC180DP	XP60SC200DH XP60CM190EH	XP60SA180DR				XP60SA190DDT8 XP60SC200DDT8 XP60CM190EDT8
	280	XP60SA290ADI	XP60SA290ADIT XP60SC280ADIT	XP60SA290DP	XP60SA310ADH XP60SC280ADH		XP60SA290DS	XP60SA290DWL		
	380	XP60SA380ADI XP60SC380DI	XP60SA380ADIT XP60SC380DIT		XP60SA400ADH XP60SC380DH					
	600		XP60SC600DIT		XP60SC600DH					



Application	Charger & Adapter		PC & Gaming Power		Server Power & Telecom	
						
Topology	Hard Switching			Resonant		
	Fly-back		PFC	LLC		Phase shift
						

VDS (V)	R _{DS(ON)} @VGS=10V (mΩ)	TO-220F (I)	TO-220F-NL (IN/IT)	TO-220 (P)	TO-252 (H)	TO-262 (R)	TO-263 (S)	TO-247 (W)	TO-251S (JB)	PDFN8x8 (DT8) TOLL (TL)
650	< 99			XP65SL099DP				XP65SA074FWL		
	130	XP65SA130DI		XP65SA130DP		XP65SA130DR				
	145									XP65SA145DDT8 XP65SA145ADD8
	190	XP65SA190ADI	XP65SA190DIN XP65SC190DIT XP65CM220EIT	XP65SA190ADP	XP65SC220DH XP65SE190DH XP65CM220EH	XP65SA190DR				XP65SA210DDT8 XP65SE190DDT8 XP65CM220EDT8
	280		XP65SA280DIN		XP65SA320DH					
	380	XP65SA420DI	XP65SA420DIN XP65SC380DIT		XP65SA420DH XP65SC360DH XP65SC420DH	XP65SA420DR XP65SA430ADR				
	600		XP65SA600DIN		XP65SA600DH					
700	380	XP70SL380AI	XP70SC360DIT		XP70SL380AH		XP70SL380AS		XP70SL380AJ	
	950	XP70SL950AI			XP70SL950AH				XP70SL950AJB	
	1400	XP70SL1K4AI			XP70SL1K4AH XP70SC1K4DH				XP70SL1K4AJB XP70SL1K4BJB	
800	450	XP80SA400DI								
	990				XP80SL990BH					

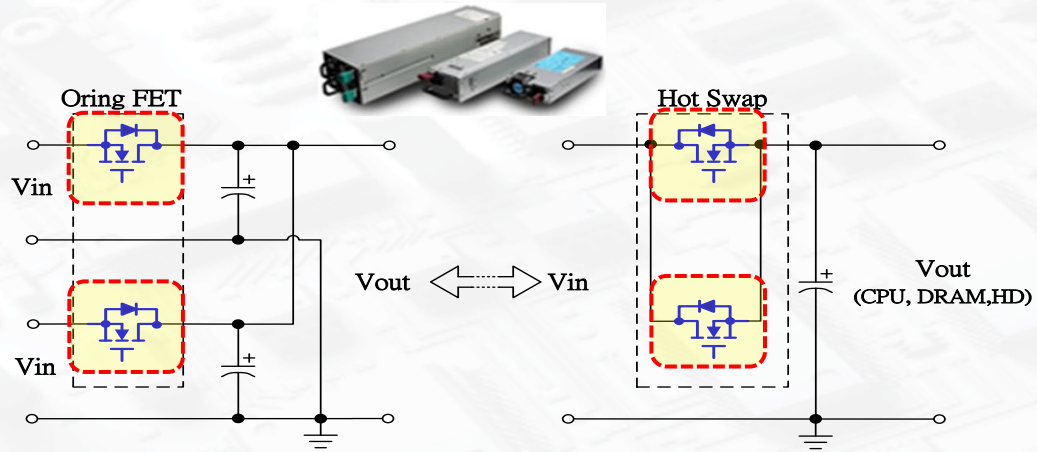


Features:

- Lowest $R_{DS(ON)}$
- Good FOM
- Ultra low Q_{GD}

MOSFETs for Synchronous Rectifier			
V_{DS} (V)	Part Number	$R_{DS(ON),Max}$ (m Ω)	Package
40	XP4NAR72CXT	0.72	PMPAK5X6
	XP4NAR85CMT	0.85	PMPAK5X6
	XP4NA1R5HCST	1.5	SSPAK5X6
	XP4NA1R6HCMT	1.6	PMPAK5X6
	XP4NA2R2HCST	2.2	SPPAK5X6
	XP4NA2R3CYT	2.3	DFN3X3
	XP4NA2R4H	2.4	TO252
	XP4NA2R8MT	2.8	PMPAK5X6
45	XP4NAR95CMT-A	0.95	PMPAK5X6
	XP4NA1R4CMT-A	1.4	PMPAK5X6
60	XP6NA1R2LCXT	1.2	PMPAK5X6
	XP6NA1R4CXT	1.4	PMPAK5X6
	XP6NA1R7CMT	1.7	PMPAK5X6
	XP6N2R0QCMT	2.0	PMPAK5X6
	XP6NA2R5H	2.5	TO252
	XP6NA3R2CST	3.2	SPPAK5X6
	XP6NA3R3LI	3.3	TO220F
	XP6NA3R5H/IT/P/R/S	3.5	TO252/TO220F/TO220/TO262/TO263
	XP6NA4R2H	4.2	TO252
	XP6NA4R8CST	4.8	SPPAK5X6
	XP6NA4R6P	4.6	TO220
	XP6NA6R0CMT-L	6.0	PMPAK5X6
	XP6NA6R3H/JV	6.8	TO252/TO251
	XP6NA8R0CST	8.0	SPPAK5X6

MOSFETs for Synchronous Rectifier			
V_{DS} (V)	Part Number	$R_{DS(ON),Max}$ (m Ω)	Package
80	XP8NA1R2TL	1.2	TOLL
	XP8NA2R2CXT	2.2	PMPAK5X6
	XP8N3R5CMT	3.5	PMPAK5X6
	XP8N8R0P/I/H/J/MT	8.0	TO220/TO220F/TO252/TO251/PMPAK5X6
100	XP10NA1R5TL	1.5	TOLL
	XP10NA2R0TL	2.0	TOLL
	XP10NB2R3CST8	2.3	SSPAK8X8
	XP10NB3R0CXT	3.0	PMPAK5X6
	XP10N3R5XT	3.5	PMPAK5X6
	XP10N3R8P/S/IT	3.8	TO220/TO263/TO220F
	XP10NB5R0CXT	5.0	PMPAK5X6
	XP10NB5R0LCXT	5.0	PMPAK5X6
	XP10NB5R5H	5.5	TO252
	XP10NB6R9CST	6.9	SSPAK5X6
	XP10NA8R4H/IT/MT/P	8.4	TO252/TO220CFM/PMPAK5X6/TO220
	XP10NA8R8J	8.8	TO251
	XP10NA011H/J	11	TO252/TO251
	XP10NA011LH/JV	11	TO252/TO251
150	XP15NA3R9TL	3.9	TOLL
	XP15NA4R4TL	4.4	TOLL
	XP15NA7R5P/I	9.3	TO220/TO220F
	XP15NA9R3CXT	9.3	PMPAK5X6
	XP15NA011IT	11	TO220F
	XP15NA019IT/MT	19	TO220F/PMPAK5X6
	XP1502ACMT	16.5	PMPAK5X6
	XP15NA027H	27	TO252/PMPAK5X6
	XP15NA027MT	27	TO252/PMPAK5X6
	XP1504MT/YT	59	PMPAK5X6/PMPAK3X3
	XP1504LM	59	SOP8

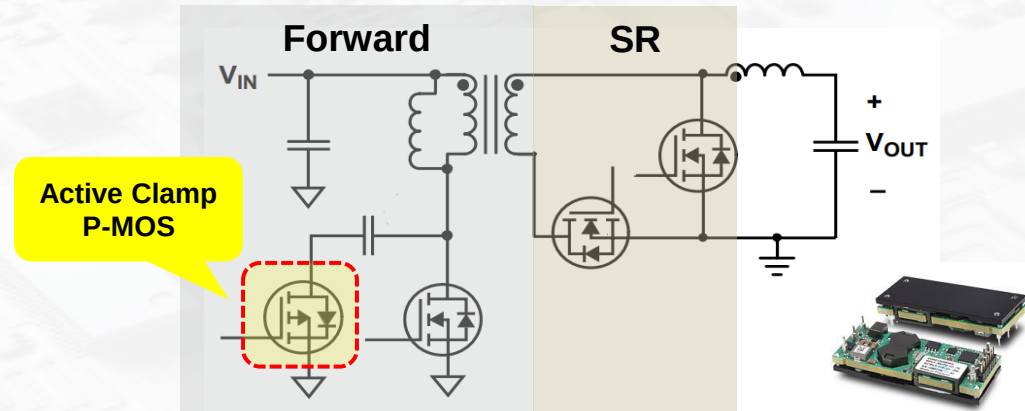
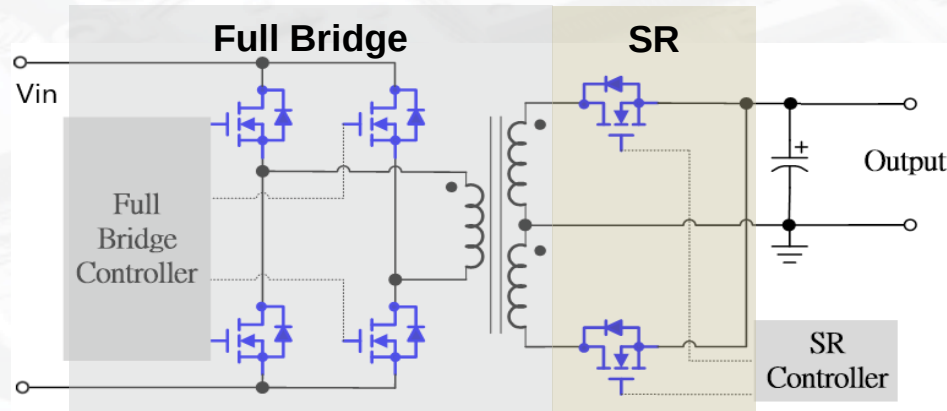


Features:

- Lowest $R_{DS(ON)}$
- Strongest SOA
- Strongest E_{AS}
- Stable $V_{GS(TH)}$

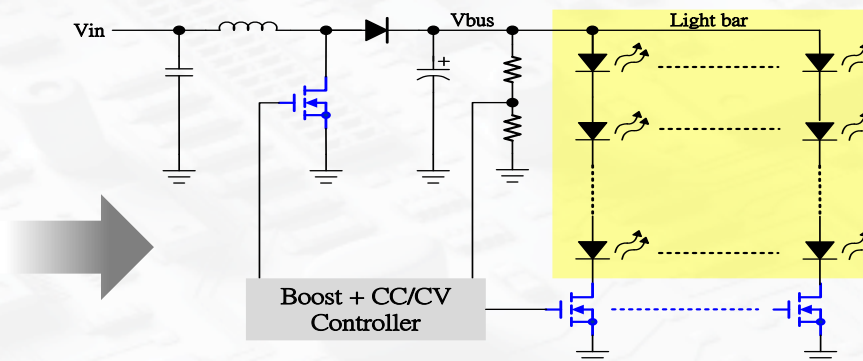
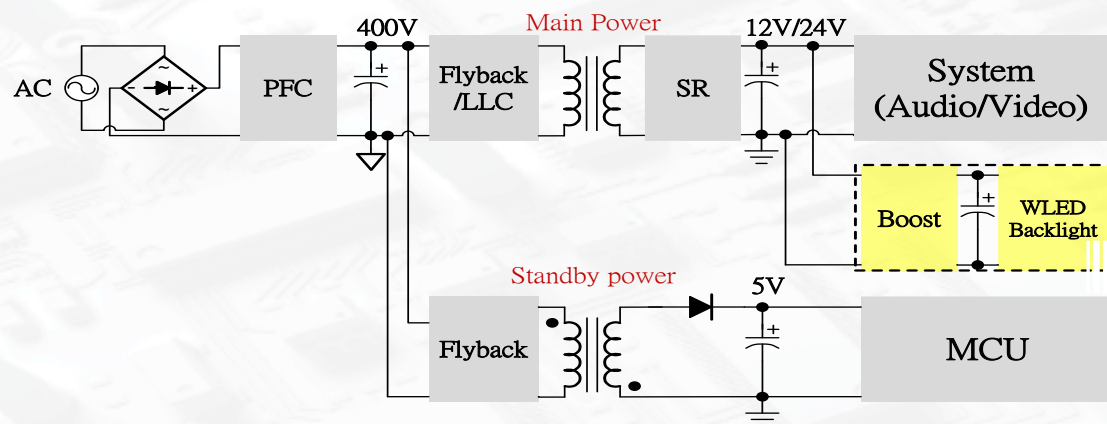
MOSFETs for ORING / Hot-SwXP

V_{DSS} (V)	Part Number	I_D (A)	$R_{DS(ON)_{Max}}$ (m Ω)	Package
30	XP4086CXT	505	0.58	PMPAK5X6
	XP3NAR68CXT	327	0.68	PMPAK5X6
	XP3NR85CMT	275	0.85	PMPAK5X6
	XP3N1R0MT	245	1.05	PMPAK5X6
	XP4056CMT	230	1.28	PMPAK5X6
	XP3N1R8MT	165	1.8	PMPAK5X6
40	XP4NAR72CXT	468	0.72	PMPAK5X6
	XP4NAR85CMT	280	0.85	PMPAK5X6
45	XP4NAR95CMT-A	264	0.95	PMPAK5X6
	XP4NA1R4CMT-A	223	1.4	PMPAK5X6
	XP4NA1R8MT-A	196	1.8	PMPAK5X6
60	XP6NA1R2LCXT	233	1.2	PMPAK5X6
	XP6NA1R4CXT	210	1.45	PMPAK5X6
	XP6NA1R7LCMT	190	1.7	PMPAK5X6
	XP6NA1R7CMT	190	1.7	PMPAK5X6



P MOSFETs			
V_{DSS} (V)	Part Number	$R_{DS(ON)_{Max}}$ (m Ω)	Package
-100	XP10P135YT	135	PMPAK3x3
-150	XP15TP1R0M	1000	SO8
	XP15TP1R0YT	1000	PMPAK3X3
	XP15TP1R0Y	1000	SOT26

N MOSFETs			
V_{DSS} (V)	Part Number	$R_{DS(ON)_{Max}}$ (m Ω)	Package
80	XP8N2R2CXT	2.2	PMPAK5X6
	XP8N3R5CMT	3.5	PMPAK5X6
100	XP10NB2R3CST8	2.3	SPPAK8X8
	XP10NB3R0CXT	3.0	PMPAK5X6
	XP10N3R5XT	3.5	PMPAK5X6
	XP10NB5R0XT	5.0	PMPAK5X6
	XP10NR6R9CST	6.9	SPPAK5X6
	XP10NA8R4H/MT/IT/P	8.4	PMPAK5X6
	XP10NA8R8J	8.8	TO251
	XP15NA3R9TL	3.9	TOLL
150	XP15NA4R4TL	4.4	TOLL
	XP15NA7R5P/I	7.5	TO220/TO220F
	XP15NA9R3CXT	9.3	PMPAK5X6
	XP15NA011IT	11	TO220F
	XP1502ACMT	16.5	PMPAK5x6
	XP15NA019IT/MT	19	TO220F/PMPAK5X6
	XP15NA027H	27	TO252

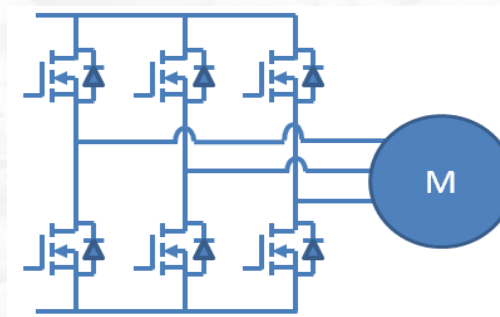
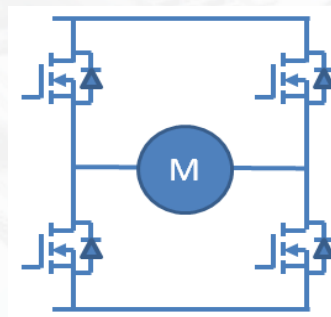


MOSFETs for dimming

V _{DSS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
100	XP30T10GK	55	SOT223
	XP25N10GH	80	TO252
	XP10TN135N/K/H	135	SOT23/SOT223/TO252
	XP09T10GK	300	SOT223

MOSFETs for boost

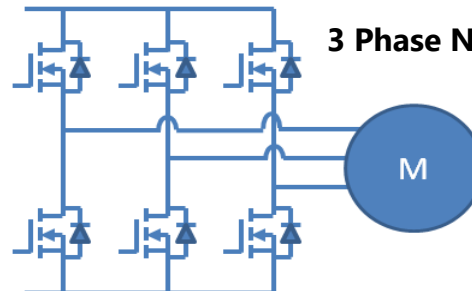
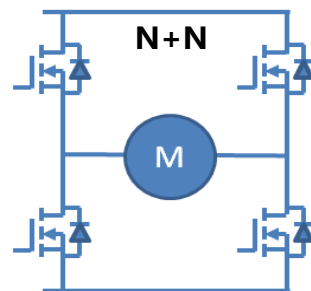
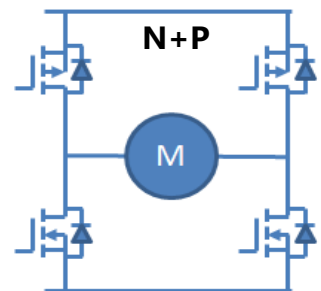
V _{DSS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
100	XP10NA011H/J	11	TO252/TO251
	XP10N024H	24	TO252
	XP10TN040H	40	TO252
	XP25N10GH/J	80	TO252/TO251
	XP10TN135H/J	135	TO252/TO251
150	XP15NA7R5P/I	7.5	TO220/TO220F
	XP15NA9R3CXT	9.3	PMPAK5X6
	XP15NA011IT	11	TO220F
	XP15NA019IT/MT	19	TO220F/PMPAK5X6
	XP15NA027H	27	TO252
200	XP1504YT/MT	59	PMPAK3X3/PMPAK5X6
	XP20AN160H	170	TO252
	XP05N20GH/I	600	TO252/TO220F



N MOSFETs for BLDC			
V _{DSS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
30	XP3NR85CMT	0.85	PMPAK5X6
	XP4056MT	1.28	PMPAK5X6
	XP3N1R7CMT	1.7	PMPAK5X6
	XP3N1R8MT	1.8	PMPAK5X6
	XP3N2R1CMT/P	2.1	PMPAK5X6/TO220
	XP3NA2R4MT	2.4	PMPAK5X6
	XP3N2R8AMT	2.8	PMPAK5X6
40	XP4NAR85CMT	0.85	PMPAK5X6
	XP4NAR95CMT-A (45V)	0.95	PMPAK5X6
	XP4NA1R5HCST	1.5	SPPAK5X6
	XP4NA1R4CMT-A (45V)	1.4	PMPAK5X6
	XP4NA1R8MT-A (45V)	1.8	PMPAK5X6
	XP4N2R1MT	2.1	PMPAK5X6
	XP4NA2R2HCST	2.2	SPPAK5X6
	XP4NA2R3CYT	2.3	DFN3X3
	XP4N2R5MT	2.55	PMPAK5X6
60	XP4N4R2MT	4.2	PMPAK5X6
	XP6NA1R7CMT	1.7	PMPAK5X6
	XP6NA3R2CST	3.2	SPPAK5X6
	XP6N3R8LMT-L	3.8	PMPAK5X6
	XP6NA6R0CMT-L	6.0	PMPAK5X6
	XP6NA8R0CST	8.0	SPPAK5X6

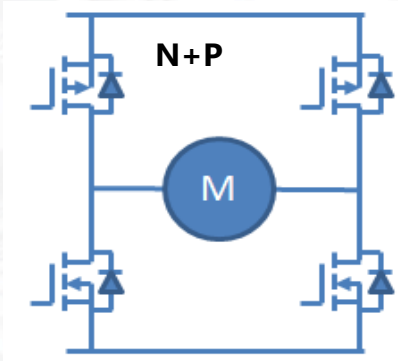
N MOSFETs for BLDC			
V _{DSS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
80	XP8NA1R2TL	1.2	TOLL
	XP8NA2R2CXT	2.2	PMPAK5X6
	XP8N3R5CMT	3.5	PMPAK5X6
	XP8N4R2MT	4.2	PMPAK5X6
100	XP10NA1R5TL	1.5	TOLL
	XP10N3R5XT	3.5	PMPAK5X6
	XP10N5R5MT	5.5	PMPAK5X6
	XP10NA8R4MT	8.4	PMPAK5X6
150	XP10TN010CMT	10	PMPAK5X6
	XP15NA3R9TL	3.9	TOLL
	XP15NA4R4TL	4.4	TOLL
	XP15NA7R5P/I	7.5	TO220/TO220F
	XP15NA9R3CXT	9.3	PMPAK5X6
200	XP15NA011IT	11	TO220F
	XP20NA011S	11	TO263

N MOSFETs for Brushed Motor			
V _{DSS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
40	XP4N2R1P	2.1	TO220
60	XP6N2R0P/I	2.0	TO220/TO220F
100	XP10TN003P/I	3.0	TO220/TO220F
	XP10N3R8P/IT/S	3.8	TO220/TO220F/TO263



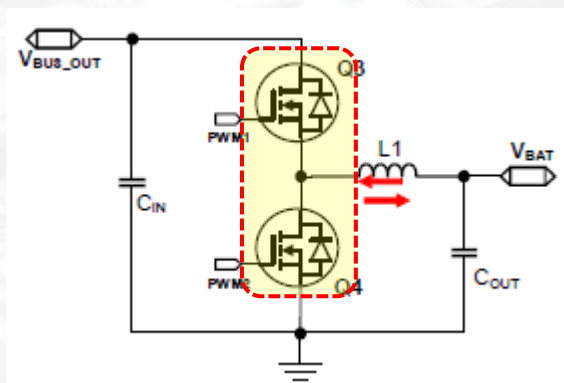
P-MOSFETs for BLDC			
V _{DS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
-30	XP3N3R0MT	3	PMPAK5X6
	XP3P7R0EMT/H/S	7	SO8/TO252/TO263
	XP3P010YT/M/H	10	PMPAK3X3/SO8/TO252
	XP4459YT/M	13	PMPAK3X3/SO8
	XP3P021YT	21	PMPAK3X3
	XP3P050AM	50	SO8
	XP6P025M/P/H/S	25	SO8/TO252/TO263
	XP6P050H	50	TO252
-60	XP9575GH	90	TO252
	XP9578GM/H	160	SO8/TO252
-100	XP10P067YT	67	PMPAK3X3
	XP10P070YT-A	70	PMPAK3X3
	XP30P10GH/S	80	TO252/TO263
	XP10P135YT	135	PMPAK3X3
-150	XP1501MT	53	PMPAK5X6

N MOSFETs for BLDC			
V _{DS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
30	XP3NAR68CXT	0.68	PMPAK5X6
	XP3NR85CMT	0.85	PMPAK5X6
	XP3N1R7CMT	1.7	PMPAK5X6
	XP3N1R8MT	1.8	PMPAK5X6
	XP3N2R1CMT	2.1	PMPAK5X6
	XP3NA2R4MT	2.4	PMPAK5X6
	XP3N2R8AMT	2.8	PMPAK5X6
60	XP6NA1R4CXT	1.45	PMPAK5X6
	XP6NA1R7CMT	1.7	PMPAK5X6
	XP6NA3R2CST	3.2	SPPAK5X6
	XP6NA6R0CMT-L	6	PMPAK5X6
	XP6NA6R3H/J	6.3	TO252/TO251
	XP6NA8R0CST	8.0	SPPAK5X6
100	XP10N3R5XT	3.5	PMPAK5X6
	XP10N5R5MT	5.5	PMPAK5X6
	XP10NA8R4H/MT	8.4	TO252/PMPAK5X6
	XP10TN010CMT	10	PMPAK5X6
	XP10NA011H/J	11	TO252/TO251
	XP10N024H	24	TO252
	XP10TN028YT	28	PMPAK3X3
150	XP15NA3R9TL	3.9	TOLL
	XP15NA4R4TL	4.4	TOLL
	XP15NA7R5P/I	7.5	TO220/TO220F
	XP15NA9R3CXT	9.3	PMPAK5X6
	XP15NA011IT	11	TO220F
	XP20NA011S	11	TO263
200	XP20NA011S	11	TO263

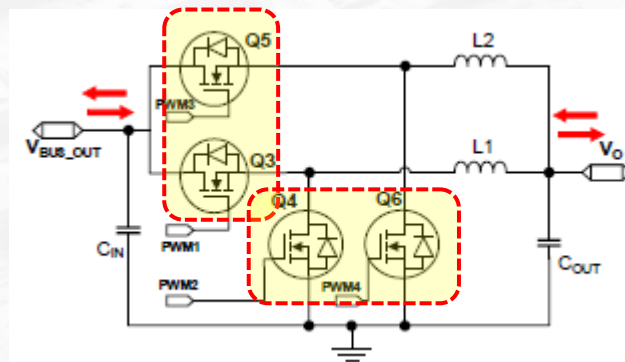


N + P				
Voltage	Part Number	RDS(ON)_Max (mΩ)		Package
		N-CH	P-CH	
30/-30	XP3C023AMT	10.4	23.5	PMPAK5X6
	XP3C011M/H	10	22	SO8/TO252-4L
	XP3C017AYT	17.8	30	PMPAK3X3
	XP3700Y/YT/M/MT	20	45	2928-8/PMPAK3X3/SO8/PMPAK5X6
	XP3702YT	35	48	PMPAK3X3
	XP3CA035EJY/YT	35	80	2928-8/PMPAK3X3
	XP2530AGY	72	150	SOT26
40/-40	XP4525GEM/H	28	42	SO8/TO252-4L
	XP4530GEM	36	68	SO8
	XP4C205Y	78	205	SOT26
60/-60	XP6C036M/H	36	75	SO8/TO252-4L
	XP6C036AM/MT	36	90	SO8/PMPAK5X6
	XP6C058YT	58	90	PMPAK3X3
	XP4578GM/H	72	125	SO8/TO252-4L
100/-100	XP5529LMT	48	60	PMPAK5X6
	XP10C135M	135	155	SO8
	XP10C150M/MT/H	150	160	SO8/PMPAK5X6/TO252-4L
	XP10C155YT	155	285	PMPAK3X3
	XP10C325Y	325	470	2928-8
120V/-120	XP4579JY	220	360	2928-8

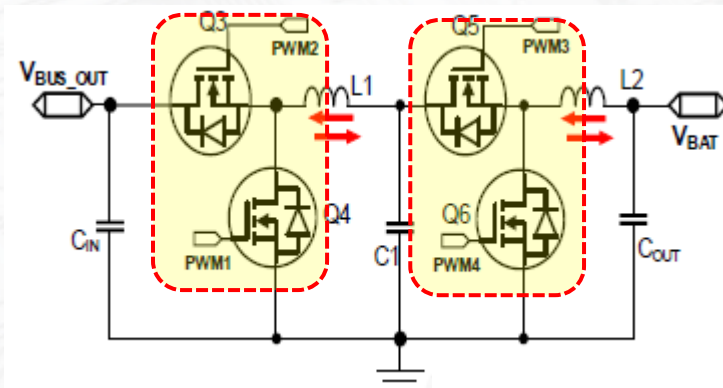
Dual N			
Voltage	Part Number	RDS(ON)_Max (mΩ)	Package
30	XP3A010AMT/M	10	PMPAK5X6/SO8
	XP4242AYT	13	PMPAK3X3
	XP3A020Y/M	20	2928-8/SO8
	XP3A035EM	35	SO8
40	XP4804MT	12	PMPAK5X6
	XP4A021M	21	SO8
	XP4A025M	25	SO8
60	XP6A038M/MT	38	SO8/PMPAK5X6
	XP6A100M	100	SO8
100	XP10A035MT	35	PMPAK5X6
	XP10A185M	185	SO8
	XP10A250YT/MT	250	PMPAK3X3/PMPAK5X6



Half Bridge



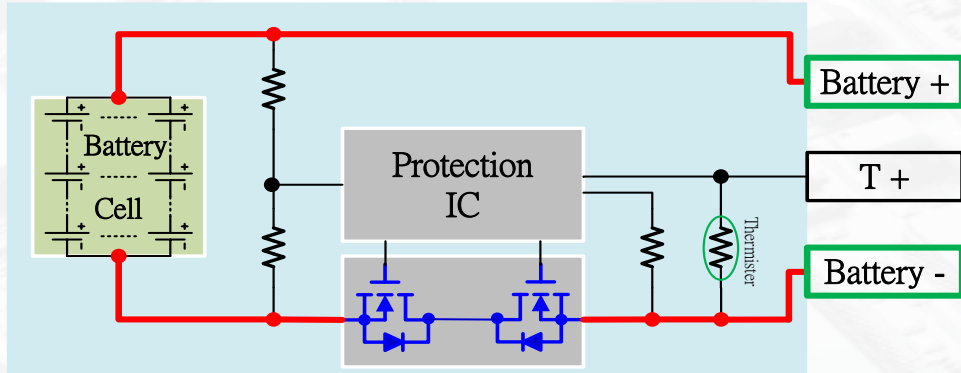
Interleaved



Cascade

MOSFETs for Battery Formation

V _{DSS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
30	XP4086CXT	0.58	PMPAK5X6
	XP3NAR68CXT	0.68	PMPAK5X6
	XP3NR85CMT	0.85	PMPAK5X6
	XP3N1R0MT	1.05	PMPAK5X6
	XP3N1R7CMT	1.7	PMPAK5X6
	XP3N1R8P/MT	1.8	TO220/PMPAK5X6
	XP3N2R1P	2.1	TO220
	XP3NA2R4MT	2.4	PMPAK5X6
40	XP4NAR72CXT	0.72	PMPAK5X6
	XP4NAR85CMT	0.85	PMPAK5X6
	XP4NAR95CMT-A (45V)	0.95	PMPAK5X6
	XP4NA1R4CMT-A (45V)	1.4	PMPAK5X6
	XP4NA1R8MT-A (45V)	1.8	PMPAK5X6
	XP4NA2R2HCST	2.2	SPPAK5X6
	XP4N2R6H	2.6	TO-252
	XP4N2R6S	2.6	TO-263
60	XP4N4R2H	4.2	TO-252
	XP6NA1R4CXT	1.4	PMPAK5X6
	XP6NA1R7CMT	1.7	PMPAK5X6
	XP6N2R0QCMT	2	PMPAK5X6
	XP6N2R0P	2	TO-220

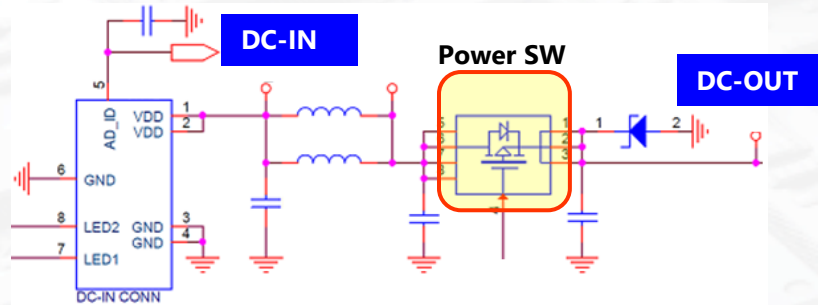


Features:

- Lowest $R_{DS(ON)}$
- Strongest SOA
- Strongest E_{AS}

V_{DSS} (V)	Part Number	$R_{DS(ON),Max}$ (mΩ)	Package
20	XP2906EY	35	SOT26
24	XP2904EC4	38	WLCSP
-30	XP4459YT/M/H	13	PMPAK3X3/SO8/TO252
	XP3P050AM	50	SO8
-40	XP4P018M	18	SO8
	XP4P052AM/H	52	SO8/TO252
-60	XP6P025M/H	25	SO8/ TO252
	XP6P050H	50	TO252

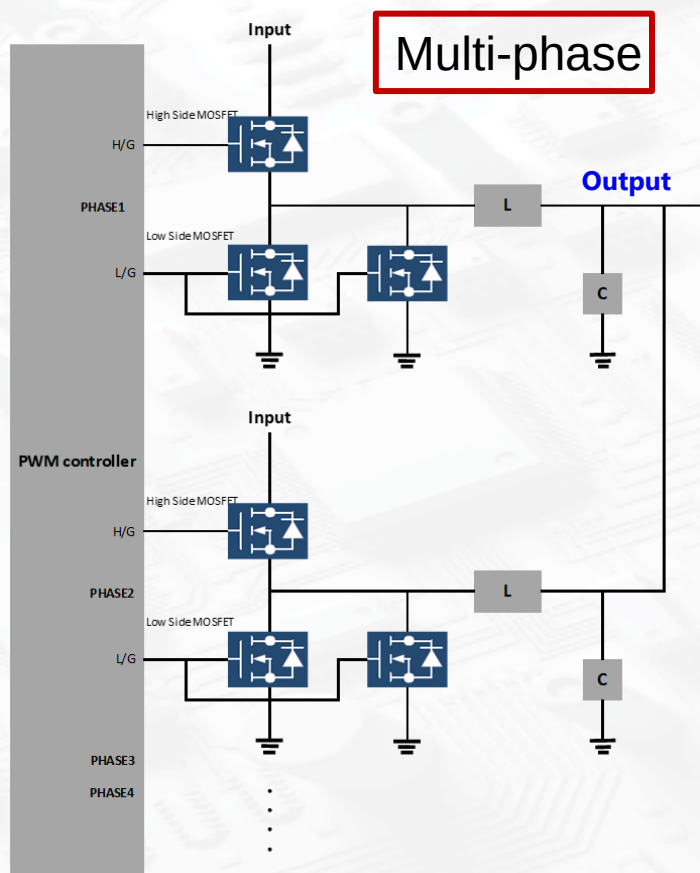
V_{DSS} (V)	Part Number	$R_{DS(ON),Max}$ (mΩ)	Package
30	XP4086CXT	0.58	PMPAK5X6
	XP3NAR68CXT	0.68	PMPAK5X6
	XP3N1R8MT	1.8	PMPAK5X6
	XP3NA2R4MT	2.4	PMPAK5X6
	XP3N4R0H	4	TO252
	XP3N5R0H	5	TO252
40	XP4NAR95CMT-A	0.95	PMPAK5X6
	XP4NA1R4CMT-A	1.4	PMPAK5X6
	XP4N2R1MT	2.1	PMPAK5X6
	XP4NA2R4H/IT	2.4	TO252/TO220CFM
	XP4NA2R8MT	2.8	PMPAK5X6
	XP4N4R2MT/H	4.2	PMPAK5X6/TO252
60	XP6NA1R4CXT	1.4	PMPAK5X6
	XP6NA1R7CMT	1.7	PMPAK5X6
	XP6NA3R2MT	3.2	PMPAK5X6
	XP6NA3R5IT	3.5	TO220CFM
	XP6NA6ROCMT-L	6.0	PMPAK5X6
80	XP8NA1R2TL	1.2	TOLL
	XP8NA2R2CXT	2.2	PMPAK5X6
	XP8N3R5CMT	3.5	PMPAK5X6
	XP8N4R2MT	4.2	PMPAK5X6
	XP8600P/S	5	TO220/TO263
100	XP10NA1R5TL	1.5	TOLL
	XP10N3R5XT	3.5	PMPAK5X6
	XP10N3R8P/S	3.8	TO220/TO263
	XP10N7R5H/J	7.5	TO252/TO251
	XP10NA8R4H/IT/MT/P	8.4	TO252/TO220CFM/PMPAK5X6/TO220
	XP10NA011H/J	11	TO252/TO251



Features:

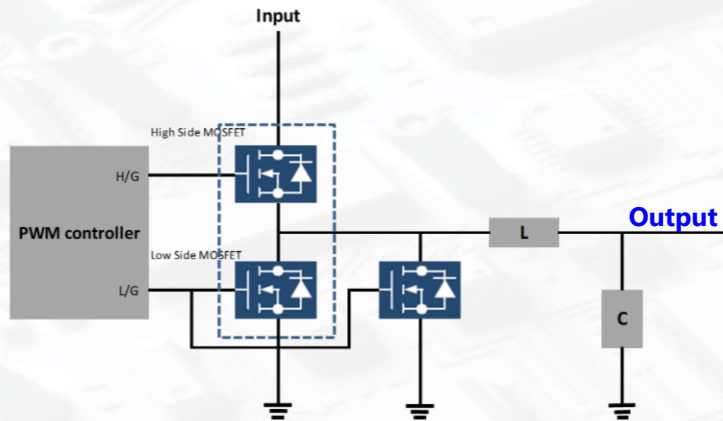
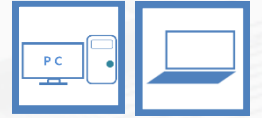
- Lowest $R_{DS(ON)}$
- Strongest SOA
- Strongest E_{AS}
- Stable $V_{GS(TH)}$

MOSFETs for AC-IN				
V _{DSS} (V)	Part Number	I _D (A)	R _{DS(ON)} Max (mΩ)	Package
30	XP4086CXT	505	0.58	PMPAK5X6
	XP3NR68CXT	327	0.68	PMPAK5X6
	XP3N1R0MT	245	1.05	PMPAK5X6
	XP3N1R8MT	165	1.8	PMPAK5X6
	XP3N1R8AMT	170	1.8	PMPAK5X6
	XP3NA2R4MT	118	2.4	PMPAK5X6
	XP3NA3R4MT	73	3.4	PMPAK5X6
	XP4024GEYT/MT	60	4.5	PMPAK3X3/PMPAK5X6
	XP3N5R0YT/MT	60	5.0	PMPAK3X3/PMPAK5X6
	XP3N5R0AYT/MT	63.5	5.0	PMPAK3X3/PMPAK5X6
	XP4052YT		7.0	PMPAK3X3
	XP3N9R5AYT/MT	38.7	9.5	PMPAK3X3/PMPAK5X6
	XP4438GYT	13.7	12	PMPAK3X3
	XP3N020YT	10	20	PMPAK3X3



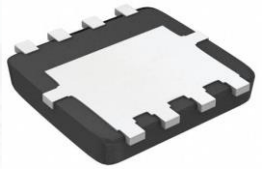
Dual MOSFET						
Mode	Part Number	$R_{DS(ON)}$ (m Ω max) at		Ciss (pF)	Qgd (nC)	Package
		10Vgs	4.5Vgs			
Flip chip 	XP3D2R6CMT	8.2	13	1200	1	PMPAK5X6
		2.4	3	4300	6.5	
	XP3832CMT	5	8	1070	3	PMPAK5X6
		1.9	3.1	2450	5	
Normal 	XP3D5R0MT	11.5	21.5	1100	3.5	PMPAK5X6
		5	8	1430	11	
	XP6932MT	5.5	8.8	1070	3	PMPAK5X6
		2.5	3.9	2450	5	
	XP6923GMT	11	18.5	1150	4	PMPAK5X6
		7	11.5	2000	8	

Single MOSFET					
Part Number	$R_{DS(ON)}$ (m Ω max) at		Ciss (pF)	Qgd (nC)	Package
	10Vgs	4.5Vgs			
XP4056MT	1.28	2.5	5300	15	PMPAK5X6
XP3N1R7CMT	1.7	3.7	4200	10	PMPAK5X6
XP4060CMT	2.25	3.75	2000	5.5	PMPAK5X6
XP3NA2R4MT	2.4	3.6	3500	19.5	PMPAK5X6
XP4064CMT	3.1	5.5	1280	5	PMPAK5X6
XP3NA3R4MT	3.4	6.5	2100	11	PMPAK5X6
XP4054CMT	4	7	1150	4.5	PMPAK5X6
XP4062CMT	4.5	7.5	930	4	PMPAK5X6
XP3N5R0MT	5	7.5	1900	8	PMPAK5X6
XP4072CMT	5.5	9.5	770	3.5	PMPAK5X6
XP4052CMT	7	9.5	710	5	PMPAK5X6
XP3NA7R2MT	7.2	12.5	1000	6	PMPAK5X6
XP4048MT	7.5	11.5	800	4.6	PMPAK5X6
XP3N9R5MT	9.5	14	900	5	PMPAK5X6

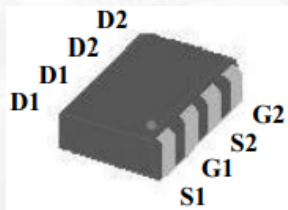


Package

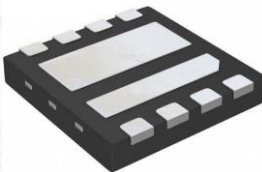
PMPAK-3X3 Single:



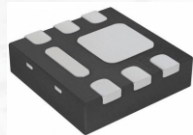
2928-8:



PMPAK-3X3 Dual:

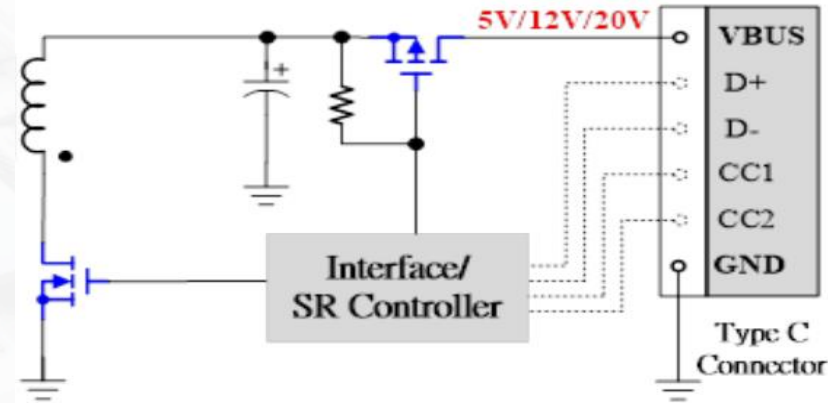
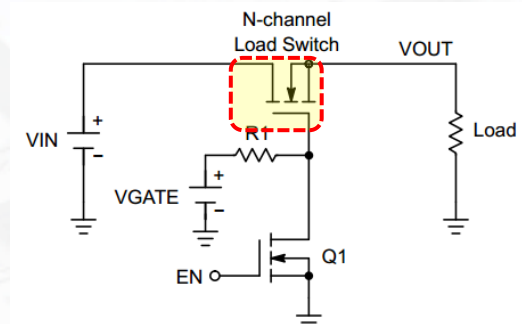
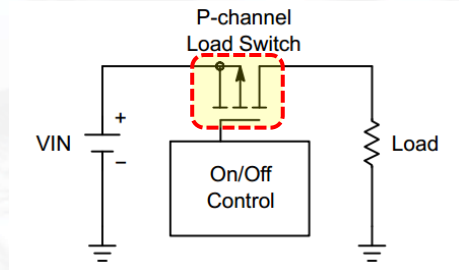
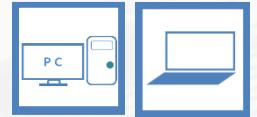


DFN-2X2 Single:



Single						
Part Number	Configuration	R _{DS(ON)} (mΩ max) at		Ciss (pF)	Qgd (nC)	Package
		10Vgs	4.5Vgs			
XP3NA4R2YT	Single	4.2		1900	8	PMPAK-3X3
XP3N5R0YT	Single	5	8	1900	10.5	PMPAK-3X3
XP3N5R0AYT	Single	5	9	1750	10	PMPAK-3X3
XP3NA7R2YT	Single	7.2	12.5	1000	6	PMPAK-3X3
XP3NA7R2AYT	Single	7.2	13.8	800	4	PMPAK-3X3
XP3N9R5YT	Single	9.5	14.5	1000	6	PMPAK-3X3
XP3N9R5AYT	Single	9.5	17	800	4.5	PMPAK-3X3
XP4438GYT	Single	12	18	1100	4.5	PMPAK-3X3
XP6980GN2	Single	14	24	1100	4	DFN-2X2
XP3N020YT	Single	20	32	550	1.8	PMPAK-3X3

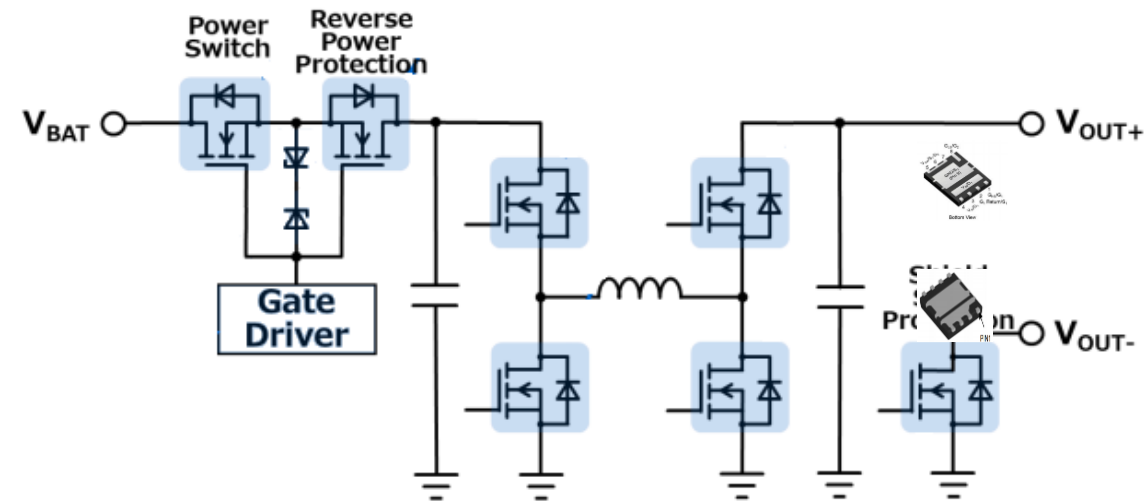
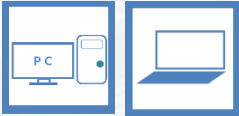
Dual MOFET						
Part Number	Configuration	R _{DS(ON)} (mΩ max) at		Ciss (pF)	Qgd (nC)	Package
		10Vgs	4.5Vgs			
XP3800YT	Dual(CH1)	10.8	16	740/1184	3	PMPAK-3X3
	Dual(CH2)	8.5	12.9	910/1456	4.5	PMPAK-3X3
XP3A020Y	Dual	20	35	500	1.8	2928-8



P MOSFETs			
V _{DSS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
-30	XP3P3R0MT	3	PMPAK5X6
	XP3P7R0EM	7	SO8
	XP3P010YT/AMT/M	10	PMPAK3X3/PMPAK5X6/SO8
	XP4459YT/M/H	13	PMPAK3X3/SO8/TO252
	XP3P020M	20	SO8

N MOSFETs			
V _{DSS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
30	XP4086CXT	0.58	PMPAK5X6
	XP3N1R0MT	1	PMPAK5X6
	XP4042MT	1.8	PMPAK5X6
	XP3N1R8MT	1.89	PMPAK5X6
	XP3N2R8AMT	2.8	PMPAK5X6
	XP3N3R3M	3.3	SO8
	XP4024EYT/MT/EM	4.5	PPAK3X3/PMPAK5X6/SO8
	XP3N5R0YT/MT	5	PPAK3X3/PMPAK5X6
	XP3N5R0AYT/MT	5	PPAK3X3/PMPAK5X6
	XP3NA8R5YT/MT	8.5	PPAK3X3/PMPAK5X6
	XP3N9R5YT	9	PPAK3X3
	XP3N9R5AYT	9	PPAK3X3

YAGEO XSEMI USB Type C PD3.1



Dual MOSFET					
Part Number	V _{DSS} (V)	V _{GS} (V)	R _{DS(ON)} (mΩ max) at		Package
			10V _{Gs}	4.5V _{Gs}	
XP3838CDT33	30	±12	4.2	5.9	PDFN3.3X3.3
	30	±12	5.2	7.2	
XP3840CDT33	30	±12	3.7	4.7	PDFN3.3X3.3
	30	±12	4.7	5.9	
XP3842CDT33	30	±12	2.3	2.9	PDFN3.3X3.3
	30	±12	2.4	2.9	

V _{DSS} (V)	Part Number	R _{DS(ON)_Max} (mΩ)	Package
40	XP4NA1R4CMT-A	1.4	PMPAK5X6
	XP4NA2R6CMT	2.6	PMPAK5X6
	XP4NA2R8MT	2.8	PMPAK5X6
	XP4N4R2MT	4.2	PMPAK5X6
	XP0504GMT	5.5	PMPAK5X6
	XP0704GMT	7	PMPAK5X6
60	XP6NA1R7LCMT	1.7	PMPAK5X6
	XP6NA3R2LMT	3.2	PMPAK5X6
	XP6NA4R0MT	4.0	PMPAK5X6
	XP6NA6R3MT	6.3	PMPAK5X6
	XP6NA6ROCMT-L	6.0	PMPAK5X6
80	XP8NA2R2CXT	2.2	PMPAK5X6
	XP8N3R5CMT	3.5	PMPAK5X6
	XP8N4R2MT	4.2	PMPAK5X6
100	XP10N3R4LCMT	3.4	PMPAK5X6
	XP10NB5R0LXT	5.0	PMPAK5X6
	XP10NA8R2LMT	8.2	PMPAK5X6