

MOSFET Applications

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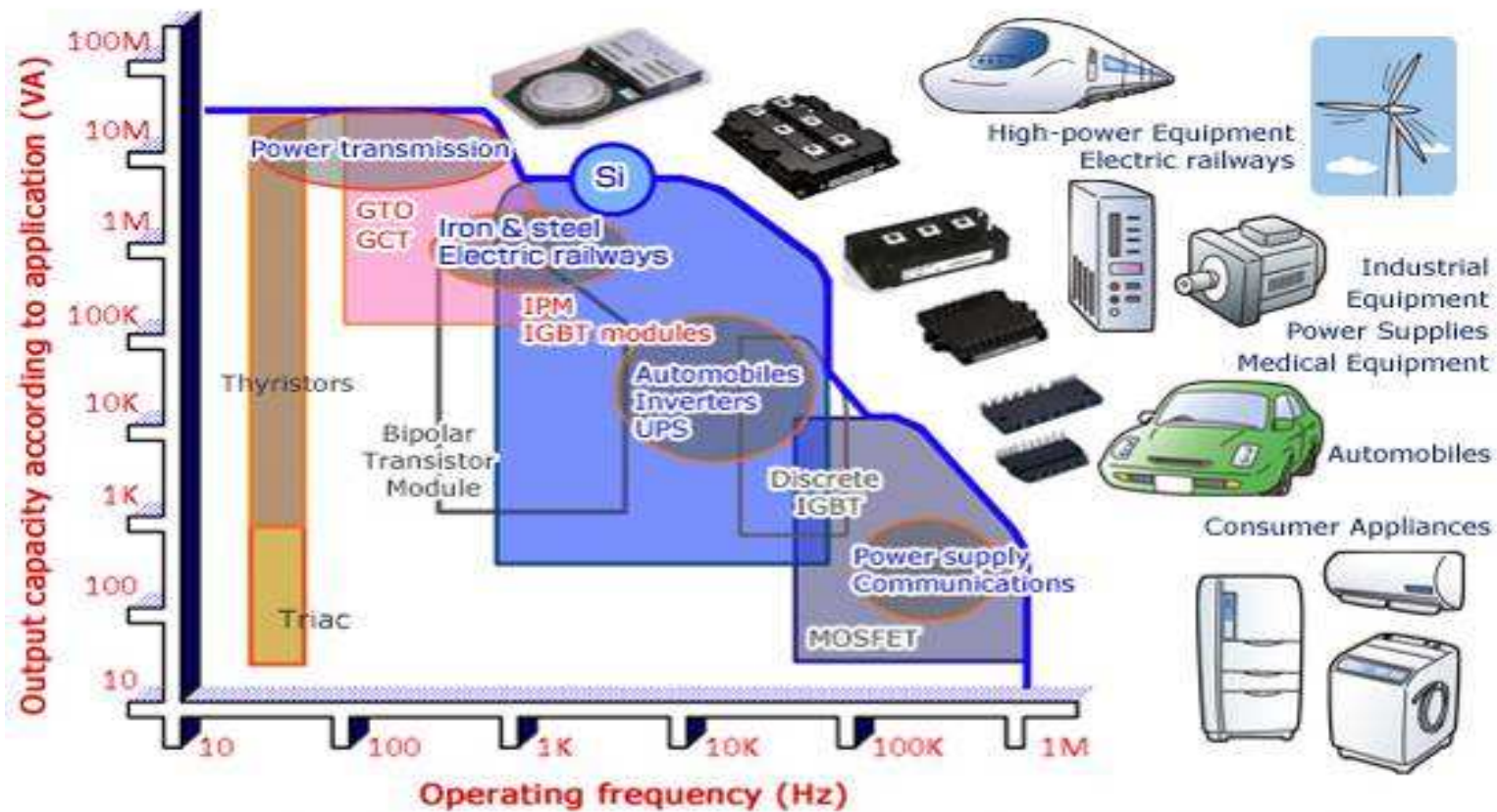


诚信 务实 创新 共赢

Agenda

- Power MOSFET Application Map
- Power MOSFET Application Category
 - Motor Driver
 - PD
 - BMS
 - LED
 - Telcom
 - Power Supply
 - Inverter
 - Mother Board
 - Auto

Applications Map



Motor Driver

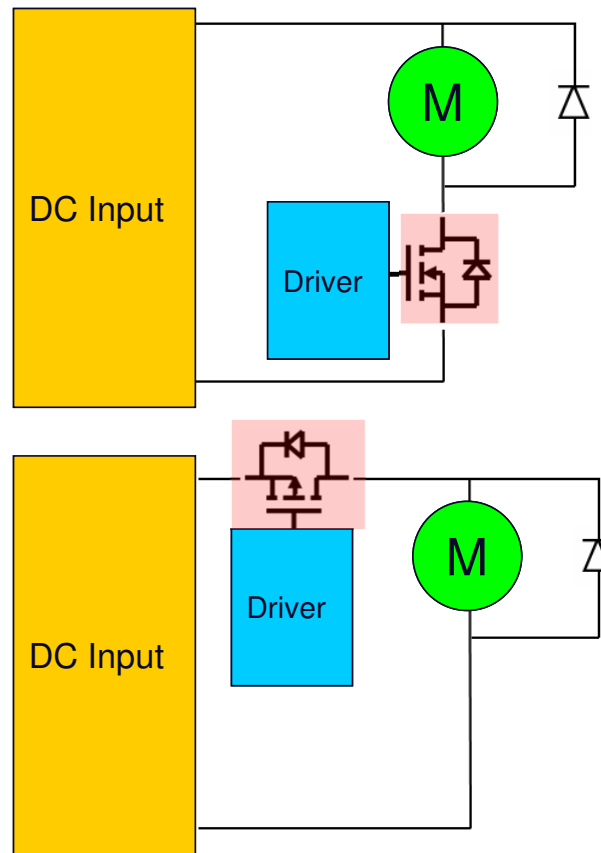
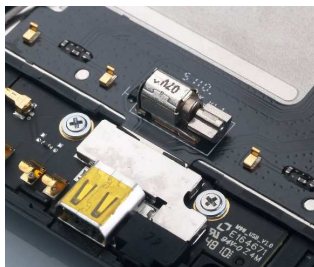
- ✓ Single Mosfet Motor Driver
- ✓ H Bridge Motor Driver
- ✓ 3 Phases Motor driver
- ✓ Motor driver Multi-types



电动工具的种类

Single Mosfet Motor Driver

- 电动剃须刀
- 理发器
- 电动牙刷
- 移动小风扇
- 手机震动马达



20V Nch MOSFET

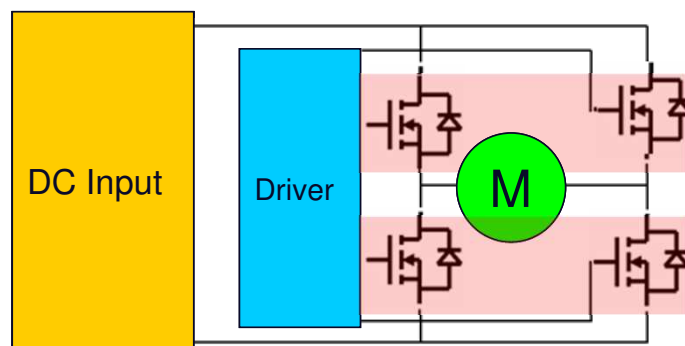
Product Name	Package	Vds(V)	ID(A)
JMTK100N02A	TO-252-4R	20	30
JMTV100N02A	DFN2X2-6L	20	10
JMTJ100N02A	SOT-23-3L	20	8
JMTP9926A	SOP-8	20	6.5
JMTL2312A	SOT-23	20	6.8

20V Pch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTQ55P02A	PDFN3.3X3.3-8L	-20	-55
JMTV210P02A	DFN2X2-6L	-20	-12
JMTJ210P02A	SOT-23-3L	-20	-7

H Bridge Motor Driver

- 手机/单反相机光圈马达
- 手持螺丝批
- 手持电动工具
- 遥控玩具车

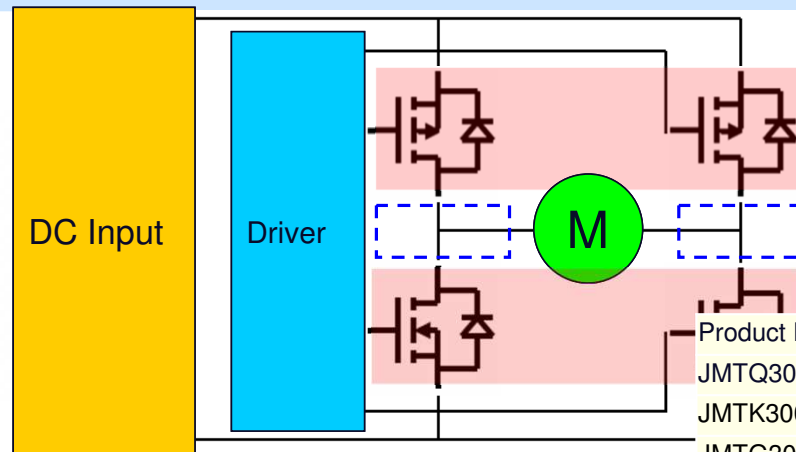


20V-30V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTQ050N02A	PDFN3.3X3.3-8L	20	50
JMTK2007A	TO-252-4R	20	50
JMTK100N02A	TO-252-4R	20	30
JMTV100N02A	DFN2X2-6L	20	10
JMTQ3005A	PDFN3.3X3.3-8L	30	50
JMTK3005A	TO-252-4R	30	90
JMTG3005A	PDFN5X6-8L	30	60
JMTP045N03A	SOP-8	30	20
JMTQ3006B	PDFN3.3X3.3-8L	30	40
JMTK3006B	TO-252-4R	30	70
JMTK50N03A	TO-252-4R	30	50
JMTG3008A	PDFN5X6-8L	30	40
JMTQ3008A	PDFN3.3X3.3-8L	30	30
JMTP3008A	SOP-8	30	15
JMTV3010A	DFN2X2-6L	30	20
JMTK100N03A	TO-252-4R	30	40
JMTP4406A	SOP-8	30	13
JMTP3010D	SOP-8	30	12
JMTQ3010D	PDFN3.3X3.3-8L	30	22
JMTK120N03A	TO-252-4R	30	20
JMTQ120N03A	PDFN3.3X3.3-8L	30	18
JMTQ120N02D	PDFN3.3X3.3-8L	20	15

H Bridge Motor Driver

Toys



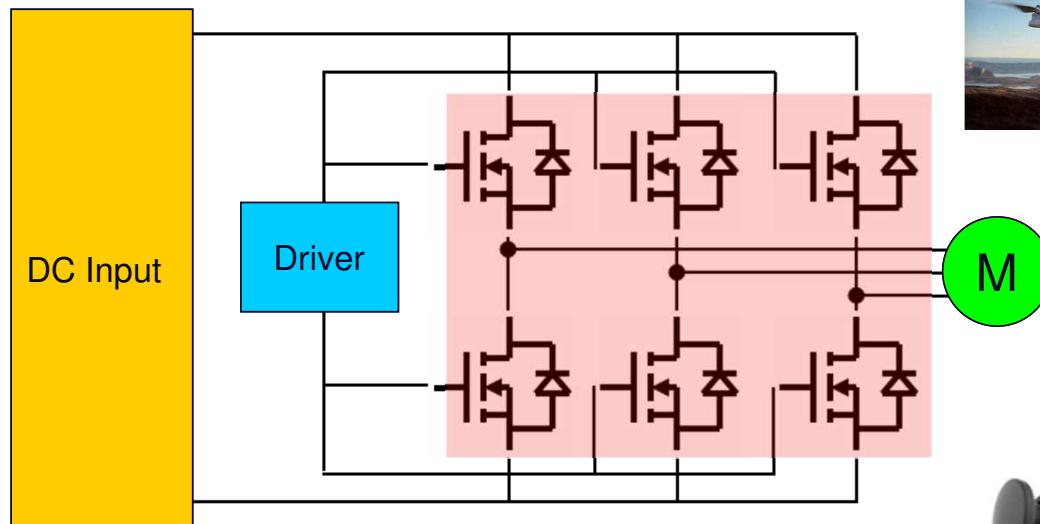
30V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTQ3005A	PDFN3.3X3.3-8L	30	50
JMTK3005A	TO-252-4R	30	90
JMTG3005A	PDFN5X6-8L	30	60
JMTP045N03A	SOP-8	30	20
JMTQ3006B	PDFN3.3X3.3-8L	30	40
JMTK3006B	TO-252-4R	30	70
JMTK50N03A	TO-252-4R	30	50
JMTG3008A	PDFN5X6-8L	30	40
JMTQ3008A	PDFN3.3X3.3-8L	30	30
JMTP3008A	SOP-8	30	15
JMTV3010A	DFN2X2-6L	30	20
JMTK100N03A	TO-252-4R	30	40
JMTP4406A	SOP-8	30	13
JMTP3010D	SOP-8	30	12
JMTQ3010D	PDFN3.3X3.3-8L	30	22
JMTK120N03A	TO-252-4R	30	20
JMTG120N03A	PDFN5X6-8L	30	10

3 Phases Motor driver

30 - 100V Nch Trench / SGT MOSFET

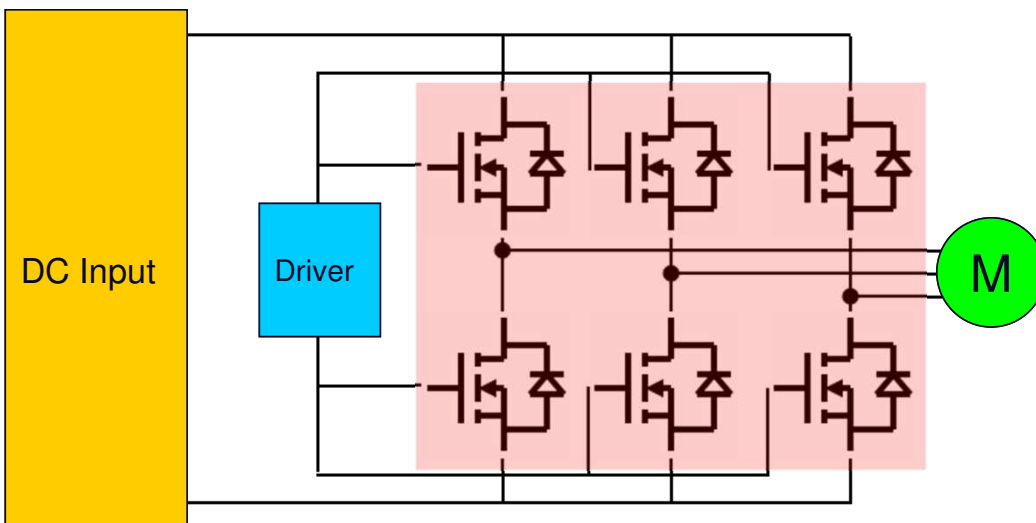
Product Name	Package	Vds(V)	ID(A)
JMTQ3005A	PDFN3.3X3.3-8L	30	50
JMTG3005A	PDFN5X6-8L	30	60
JMTK3005A	TO-252-4R	30	90
JMTQ3006B	PDFN3.3X3.3-8L	30	40
JMTK3006B	TO-252-4R	30	70
JMTK50N03A	TO-252-4R	30	50
JMTQ3008A	PDFN3.3X3.3-8L	30	30
JMTG3008A	PDFN5X6-8L	30	40
JMTK100N03A	TO-252-4R	30	40
JMTQ062N04A	PDFN3.3X3.3-8L	40	50
JMTK60N04B	TO-252-4R	40	60
JMTQ60N04B	PDFN3.3X3.3-8L	40	40
JMTG60N04B	PDFN5X6-8L	40	50
JMTG100N06A	PDFN5X6-8L	60	55
JMTK58N06B	TO-252-4R	60	58
JMTK110N06A	TO-252-4R	60	55
JMTK50N06B	TO-252-4R	60	50
JMTK170N10A	TO-252-4R	100	59



- 无人机
- 机器人
- 加湿器
- 筋膜枪

3 Phases Motor driver

E-Bike

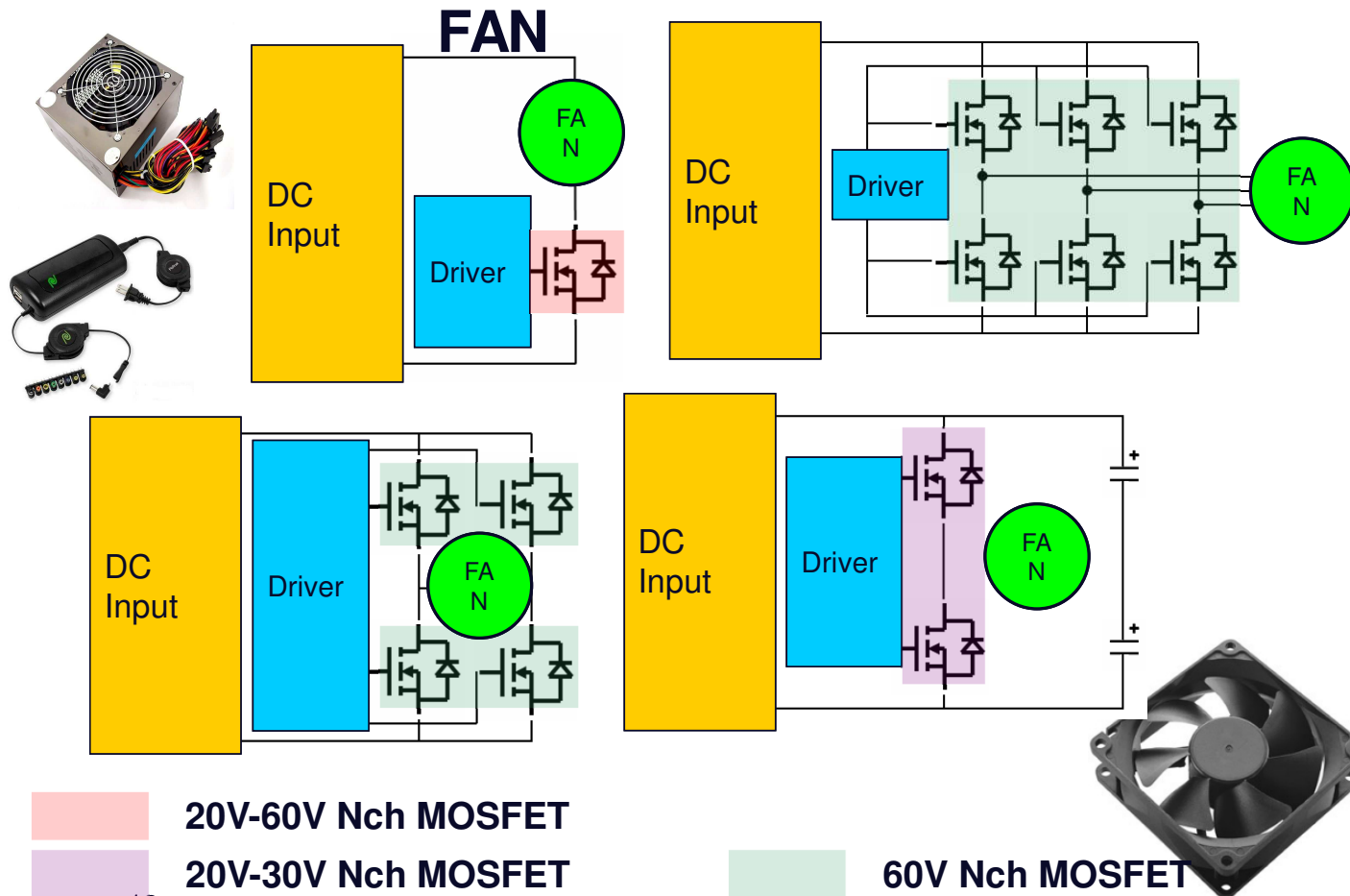


60V-100V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTK80N06A	TO-252-4R	60	80
JMGG088V10A	PDFN5X6-8L	100	75
JMGK088V10A	TO-252-4R	100	80



Motor driver Multi-types



20V-60V Nch MOSFET

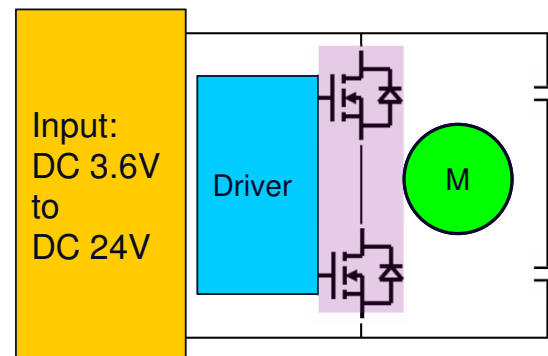
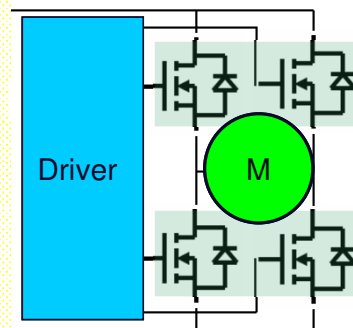
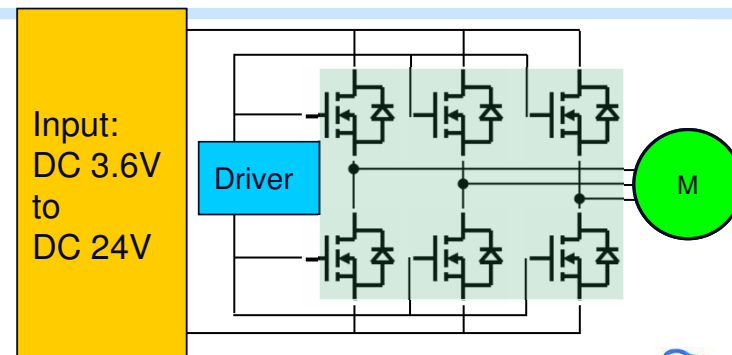
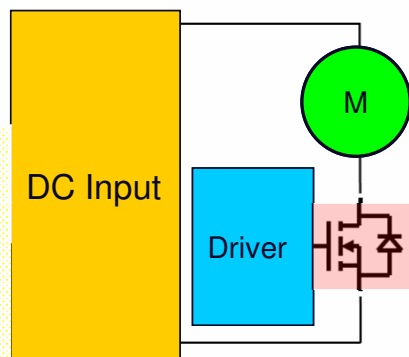
Product Name	Package	Vds(V)	ID(A)
JMTK100N02A	TO-252-4R	20	30
JMTQ3006B	PDFN3.3X3.3-8L	30	40
JMTK3006B	TO-252-4R	30	70
JMTG3008A	PDFN5X6-8L	30	40
JMTQ3008A	PDFN3.3X3.3-8L	30	30
JMTK100N03A	TO-252-4R	30	40
JMTQ3010D	PDFN3.3X3.3-8L	30	22
JMTK120N03A	TO-252-4R	30	20
JMTQ120N03A	PDFN3.3X3.3-8L	30	18
JMTQ120N03D	PDFN3.3X3.3-8L	30	15
JMTQ60N04B	PDFN3.3X3.3-8L	40	40
JMTK60N04B	TO-252-4R	40	60
JMTG60N04B	PDFN5X6-8L	40	50
JMTQ100N04A	PDFN3.3X3.3-8L	40	30
JMTQ35N06A	PDFN3.3X3.3-8L	60	35
JMTK290N06A	TO-252-4R	60	20
JMTK330N06A	TO-252-4R	60	20

Motor driver Multi-types

20V-60V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTG3002B	PDFN5X6-8L	30	120
JMTE3002B	TO-263	30	180
JMTK3002B	TO-252-4R	30	180
JMTG3003A	PDFN5X6-8L	30	90
JMTQ3003A	PDFN3.3X3.3-8L	30	80
JMTE3003A	TO-263	30	150
JMTK3003A	TO-252-4R	30	150
JMTK3004A	TO-252-4R	30	100
JMTK3005L	TO-252-4R	30	90
JMTK3005A	TO-252-4R	30	90
JMTK3005C	TO-252-4R	30	90
JMTG3005A	PDFN5X6-8L	30	60
JMTK3005A	TO-252-4R	30	90
JMTQ3005A	PDFN3.3X3.3-8L	30	50
JMTK3006B	TO-252-4R	30	70
JMTQ3006B	PDFN3.3X3.3-8L	30	40
JMTG4004A	PDFN5X6-8L	40	100

Power Tool



30V-60V Nch MOSFET

20V-30V Nch MOSFET

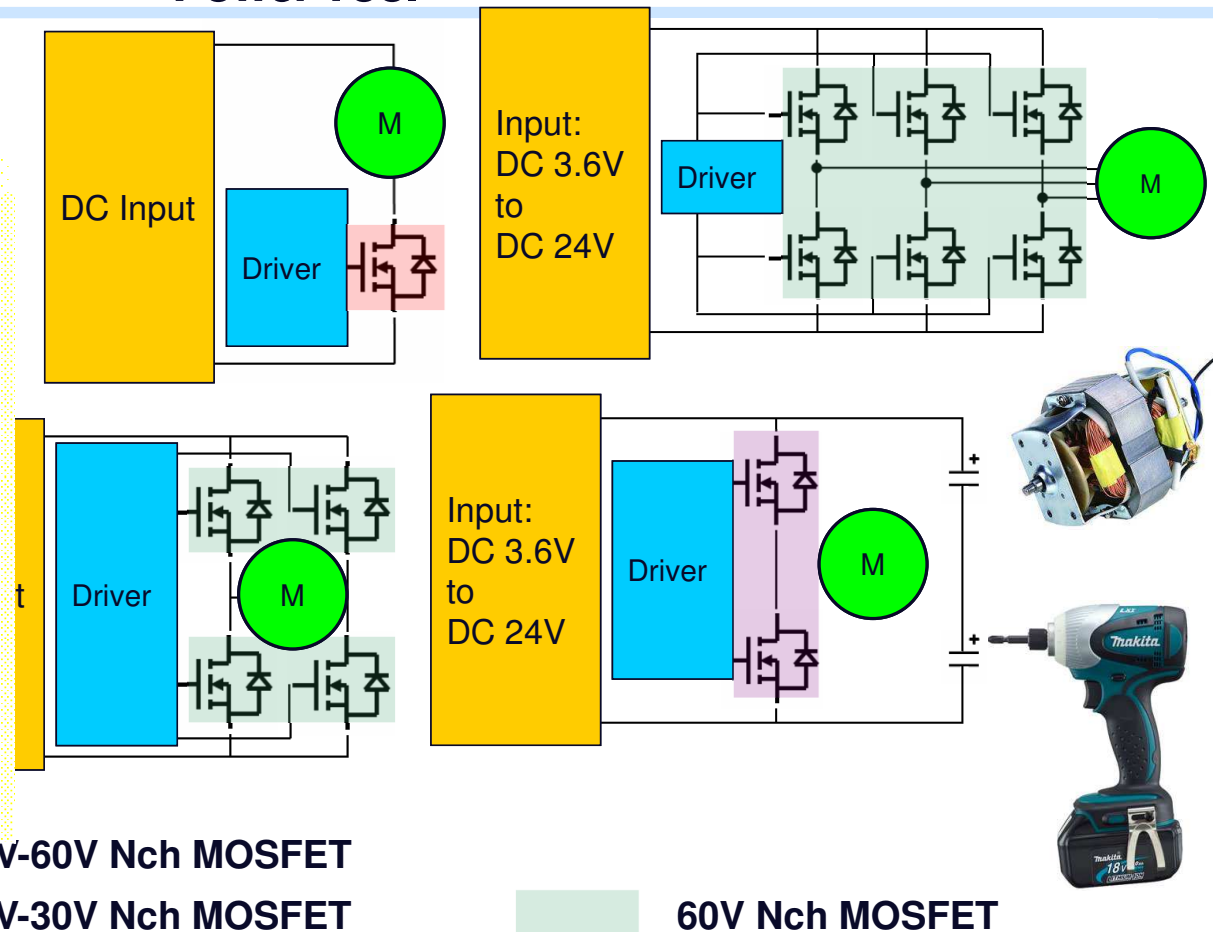
60V Nch MOSFET

Motor driver Multi-types

20V-60V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTK4004A	TO-252-4R	40	120
JMTG070N06A	PDFN5X6-8L	60	70
JMTG035N04A	PDFN5X6-8L	40	100
JMTK035N04L	TO-252-4R	40	150
JMTE035N04A	TO-263	40	150
JMTK4004A	TO-252-4R	40	120
JMTG4004A	PDFN5X6-8L	40	100
JMTK4005A	TO-252-4R	40	80
JMTQ055N04A	PDFN3.3X3.3-8L	40	70
JMTK4006A	TO-252-4R	40	70
JMTQ062N04A	PDFN3.3X3.3-8L	40	50
JMTK60N04B	TO-252-4R	40	60
JMTQ60N04B	PDFN3.3X3.3-8L	40	40
JMTG60N04B	PDFN5X6-8L	40	50
JMTK80N06A	TO-252-4R	60	80
JMTG070N06A	PDFN5X6-8L	60	70

Power Tool



PD

✓ General Charger

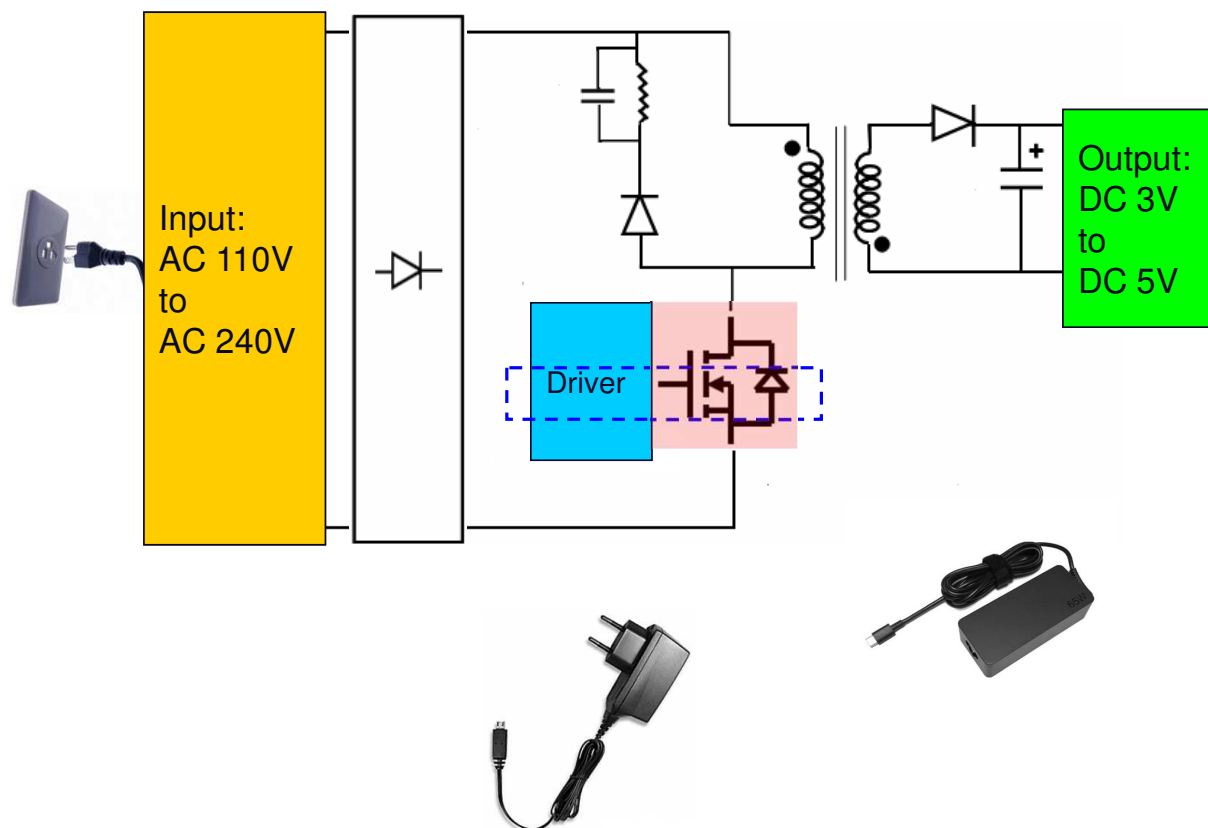
✓ PD



General Charger

650V Nch Planar MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPF20N65G1	TO-220FP	650	20
JMPF13N65G1	TO-220FP	650	13
JMPW9N65G1	TO-262	650	9
JMPS9N65G1	TO-247J	650	9
JMPI9N65G1	TO-251-4R	650	9
JMPK9N65G1	TO-252-4R	650	9
JMPFP9N65G1	TO-220FA	650	9
JMPF9N65G1	TO-220FP	650	9
JMPI7N65G1	TO-251-4R	650	7
JMPW7N65G1	TO-262	650	7
JMPFP7N65G1	TO-220FA	650	7
JMPF7N65G1	TO-220FP	650	7
JMPC7N65G1	TO-220C	650	7
JMPK7N65G1	TO-252-4R	650	7
JMPFP4N65G1	TO-220FA	650	4
JMPK4N65G1	TO-252-4R	650	4
JMPC4N65G1	TO-220C	650	4
JMPI4N65G1	TO-251-4R	650	4



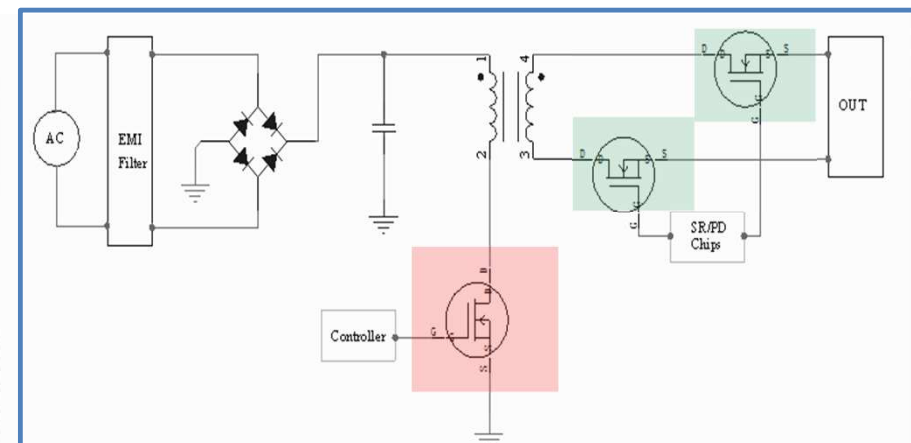
PD(USB Power Delivery)

650V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPS9N65G1	TO-247J	650	9
JMPI9N65G1	TO-251-4R	650	9
JMPK9N65G1	TO-252-4R	650	9
JMPFP9N65G1	TO-220FA	650	9
JMPF9N65G1	TO-220FP	650	9
JMPW9N65G1	TO-262	650	9
JMPI7N65G1	TO-251-4R	650	7
JMPFP7N65G1	TO-220FA	650	7
JMPW7N65G1	TO-262	650	7
JMPF7N65G1	TO-220FP	650	7
JMPC7N65G1	TO-220C	650	7
JMPK7N65G1	TO-252-4R	650	7

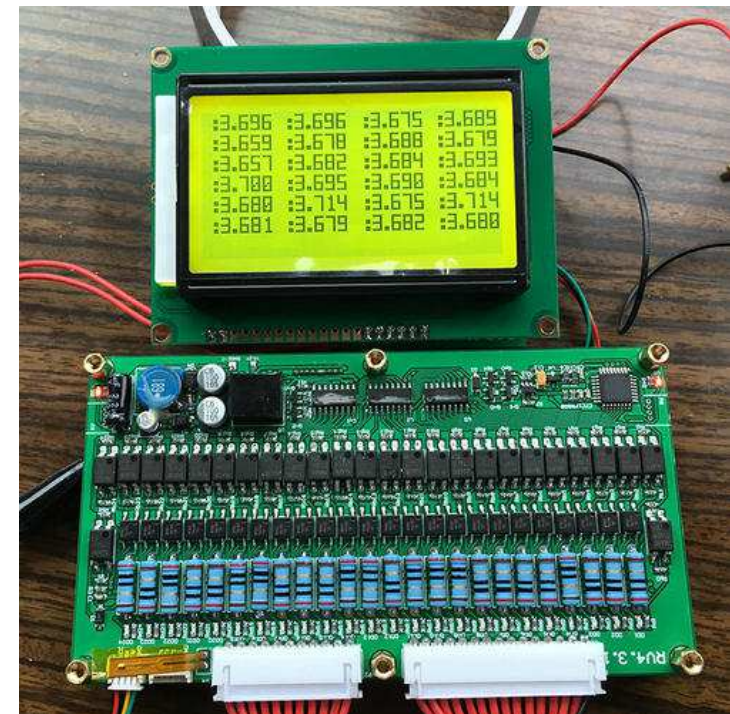
60-150V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMGG088V10A	PDFN5X6-8L	100	75
JMGP088V10A	SOP-8	100	20
JMGK088V10A	TO-252-4R	100	80



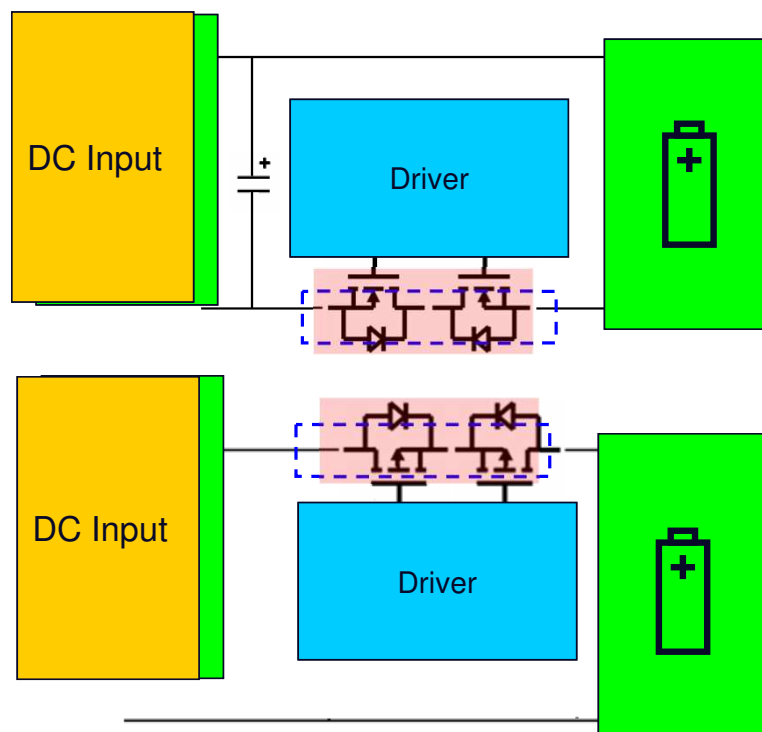
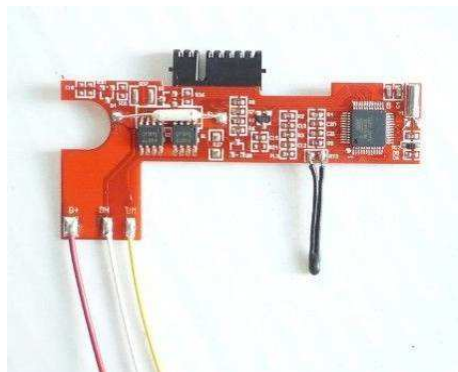
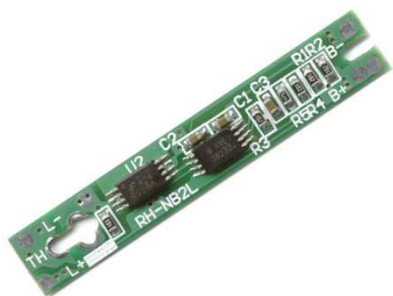
BMS

- ✓ Mobile Phone BMS
- ✓ Power Tooling BMS
- ✓ Ebike / Emotorcycle BMS
- ✓ Flash Lamp



Mobile Phone BMS

➤ Protection

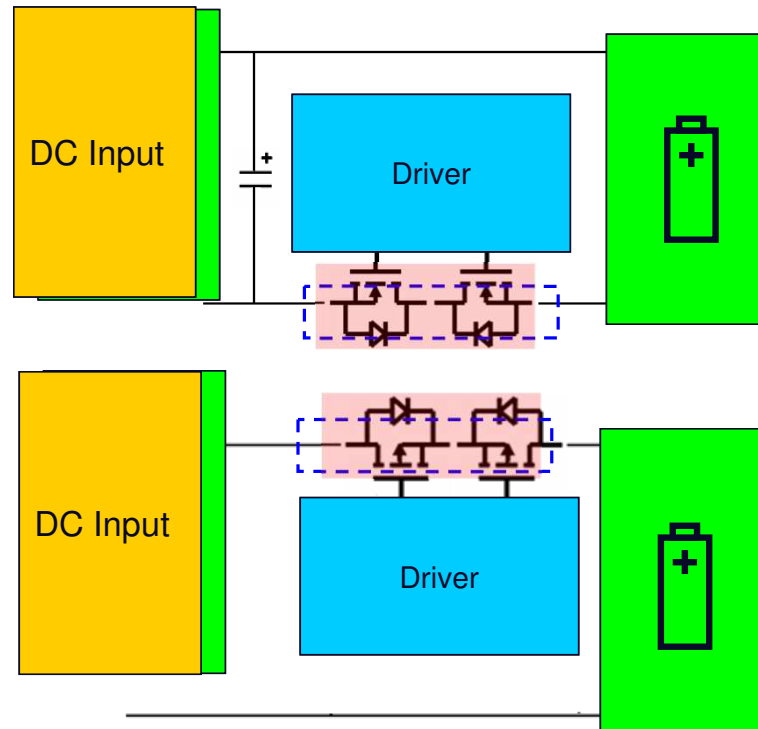
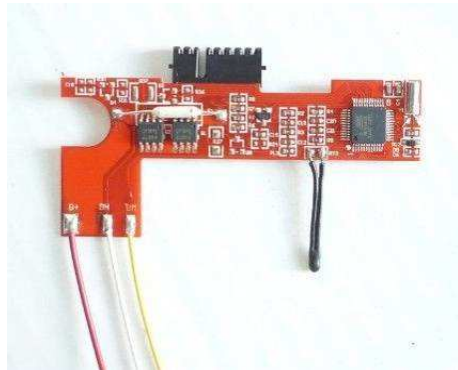
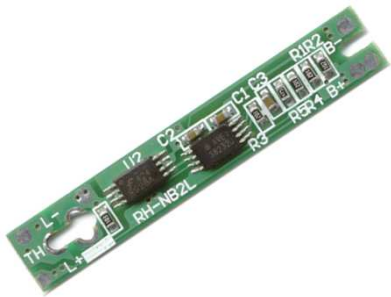


20V-30V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTQ050N02A	PDFN3.3X3.3-8L	20	50
JMTK2007A	TO-252-4R	20	50
JMTK100N02A	TO-252-4R	20	30
JMTV100N02A	DFN2X2-6L	20	10
JMTJ100N02A	SOT-23-3L	20	8
JMTQ3005A	PDFN3.3X3.3-8L	30	50
JMTK3005L	TO-252-4R	30	90
JMTI3005A	TO-251-4R	30	90
JMTK3005A	TO-252-4R	30	90
JMTG3005A	PDFN5X6-8L	30	60
JMTP045N03A	SOP-8	30	20
JMTQ3006B	PDFN3.3X3.3-8L	30	40
JMTK3006B	TO-252-4R	30	70
JMTK50N03A	TO-252-4R	30	50
JMTG3008A	PDFN5X6-8L	30	40
JMTQ3008A	PDFN3.3X3.3-8L	30	30

Mobile Phone BMS

➤ Protection

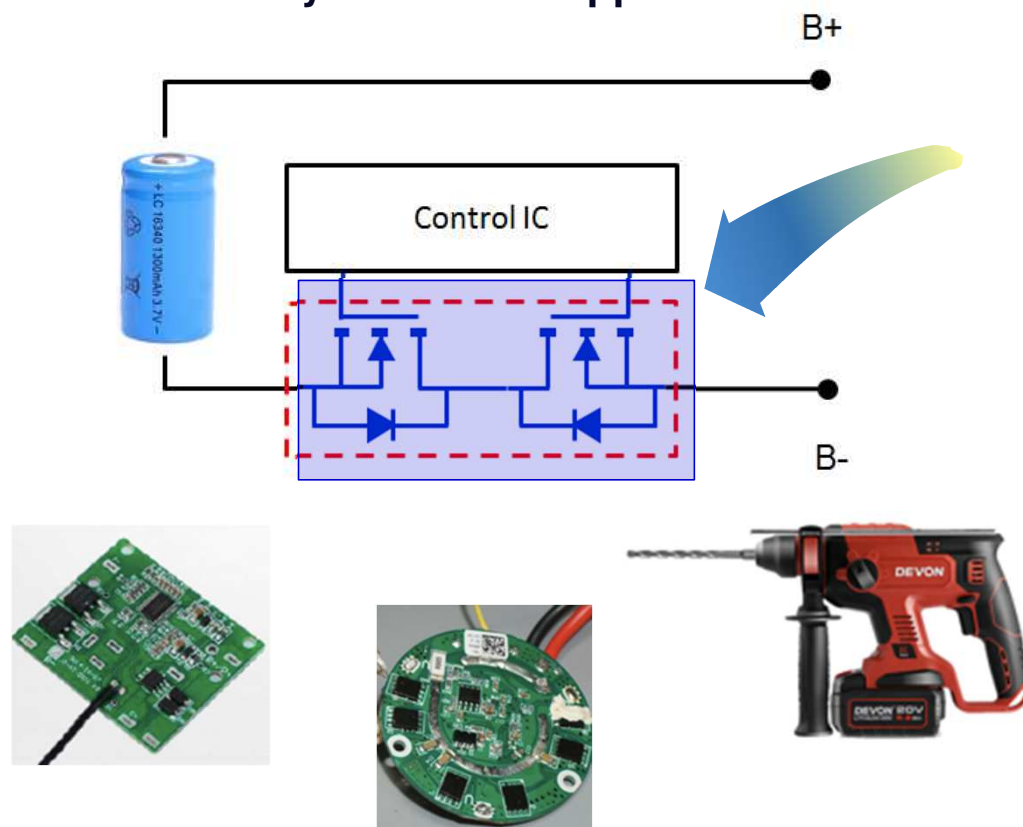


20V-30V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTP3008A	SOP-8	30	15
JMTV3010A	DFN2X2-6L	30	20
JMTK100N03A	TO-252-4R	30	40
JMTK120N03A	TO-252-4R	30	20
JMTQ120N03A	PDFN3.3X3.3-8L	30	18
JMTQ120N03D	PDFN3.3X3.3-8L	30	15

Power Tooling BMS

Battery Protection Application:

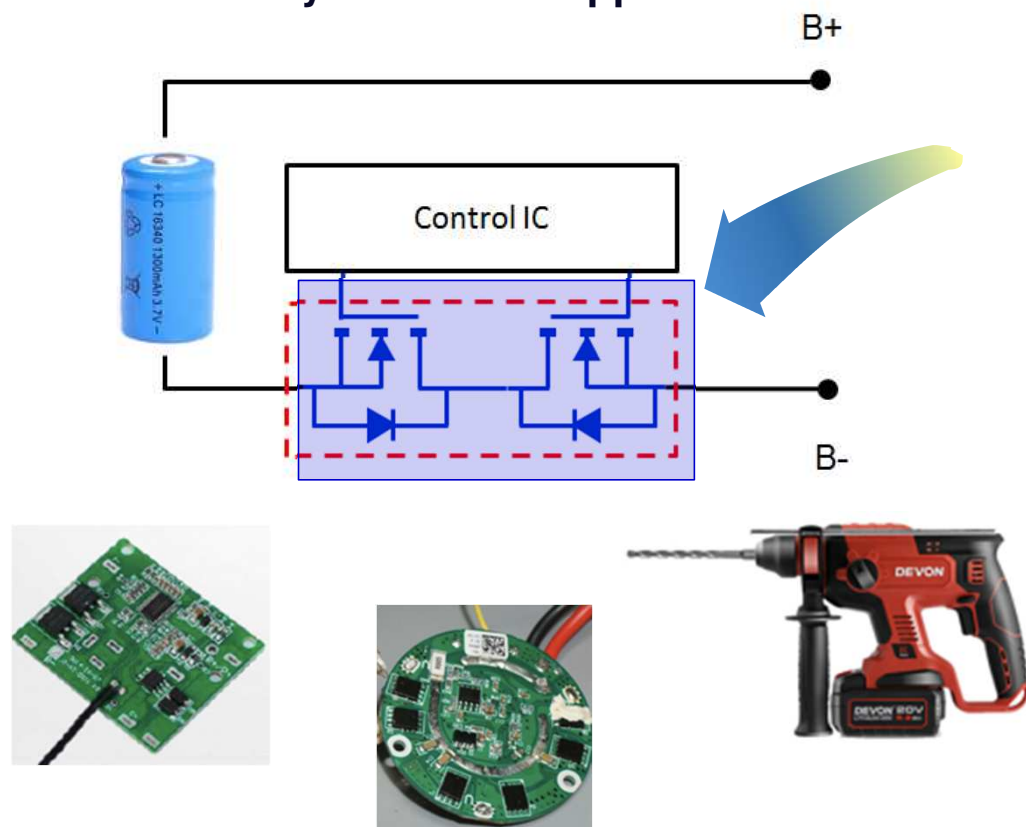


30V-100V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTG3002B	PDFN5X6-8L	30	120
JMTE3002B	TO-263	30	180
JMTK3002B	TO-252-4R	30	180
JMTG3003A	PDFN5X6-8L	30	90
JMTQ3003A	PDFN3.3X3.3-8L	30	80
JMTE3003A	TO-263	30	150
JMTK3003A	TO-252-4R	30	150
JMTG040N03A	PDFN5X6-8L	30	80
JMTK3004A	TO-252-4R	30	100
JMTK3005L	TO-252-4R	30	90
JMTQ040N03A	PDFN3.3X3.3-8L	30	60
JMTK3005A	TO-252-4R	30	90
JMTK3005C	TO-252-4R	30	90
JMTG3005A	PDFN5X6-8L	30	60
JMTI3005A	TO-251-4R	30	90
JMTK3005A	TO-252-4R	30	90
JMTQ3005A	PDFN3.3X3.3-8L	30	50

Power Tooling BMS

Battery Protection Application:

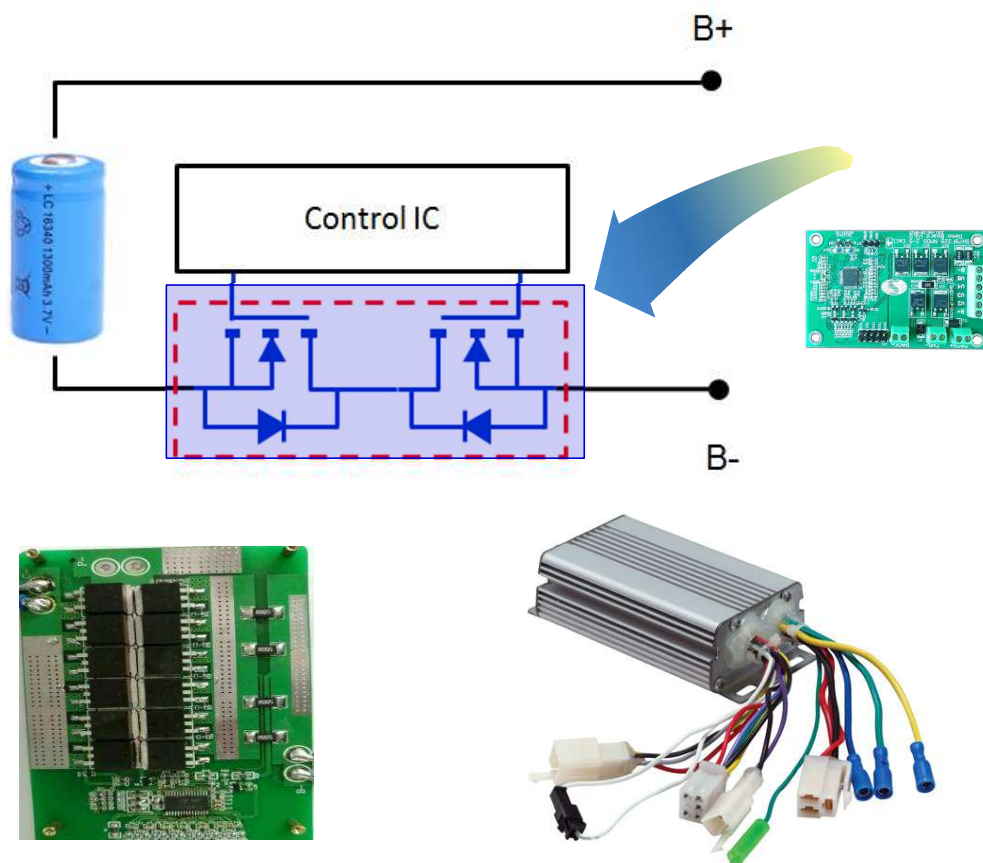


30V-100V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTK3006B	TO-252-4R	30	70
JMTQ3006B	PDFN3.3X3.3-8L	30	40
JMTG4004A	PDFN5X6-8L	40	100
JMTG035N04A	PDFN5X6-8L	40	100
JMTE035N04A	TO-263	40	150
JMTK4004A	TO-252-4R	40	120
JMTK4005A	TO-252-4R	40	80
JMTQ055N04A	PDFN3.3X3.3-8L	40	70
JMTK4006A	TO-252-4R	40	70
JMTK60N04B	TO-252-4R	40	60
JMTI60N04A	TO-251-4R	40	60
JMTQ60N04B	PDFN3.3X3.3-8L	40	40
JMTG60N04B	PDFN5X6-8L	40	50
JMTK80N06A	TO-252-4R	60	80
JMTG070N06A	PDFN5X6-8L	60	70
JMGQ065V04A	PDFN3.3X3.3-8L	40	65
JMGG088V10A	PDFN5X6-8L	100	75
JMGP088V10A	SOP-8	100	20
JMGK088V10A	TO-252-4R	100	80

Ebike/Emotorcycle BMS

Battery Protection Application:



60V-100V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTK80N06A	TO-252-4R	60	80
JMTC80N06A	TO-220C	60	80
JMGG088V10A	PDFN5X6-8L	100	75
JMTE070N07A	TO-263	68	120
JMTK70N07A	TO-252-4R	68	80
JMTC6888A	TO-220C	68	80
JMTE6888A	TO-263	68	80
JMGC088V10A	TO-220C	100	80
JMGP088V10A	SOP-8	100	20
JMGK088V10A	TO-252-4R	100	80

Flash Lamp

500V MOSFET

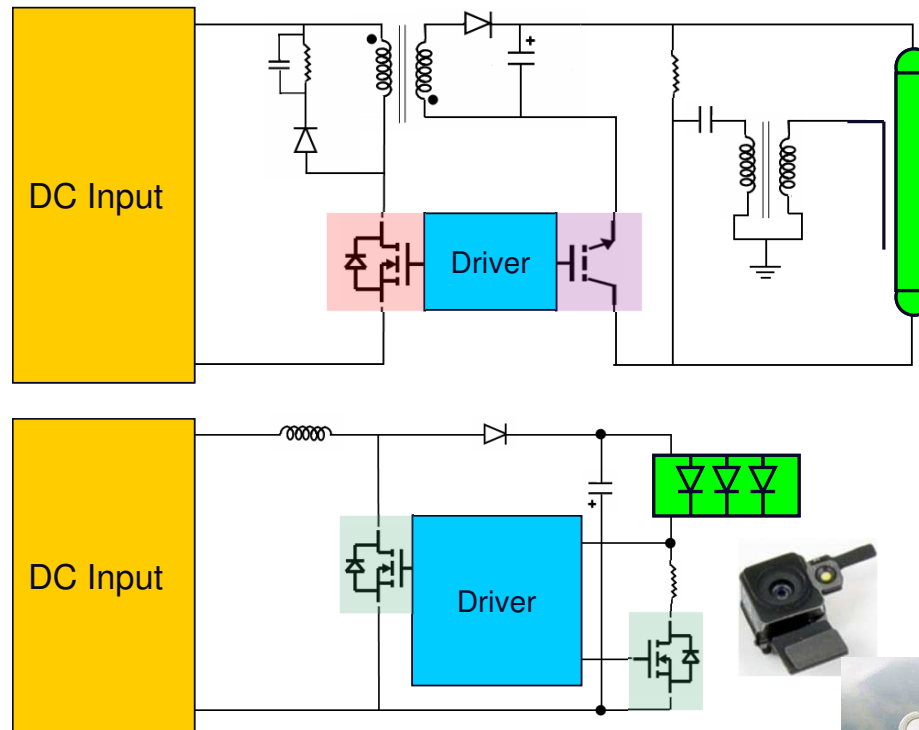
Product Name	Package	Vds(V)	ID(A)
JMPF25N50G1	TO-220FP	500	25
JMPF13N50G1	TO-220FP	500	13
JMPK840G1	TO-252-4R	500	9
JMPK5N50G1	TO-252-4R	500	5
JMFK5N50G1	TO-252-4R	500	5

60V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTK50N06B	TO-252-4R	60	50
JMTI50N06B	TO-251-4R	60	50
JMPC50N06A	TO-220C	60	50

20V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTQ050N02A	PDFN3.3X3.3-8L	20	50
JMTK75N02A	TO-252-4R	20	75
JMTK2007A	TO-252-4R	20	50

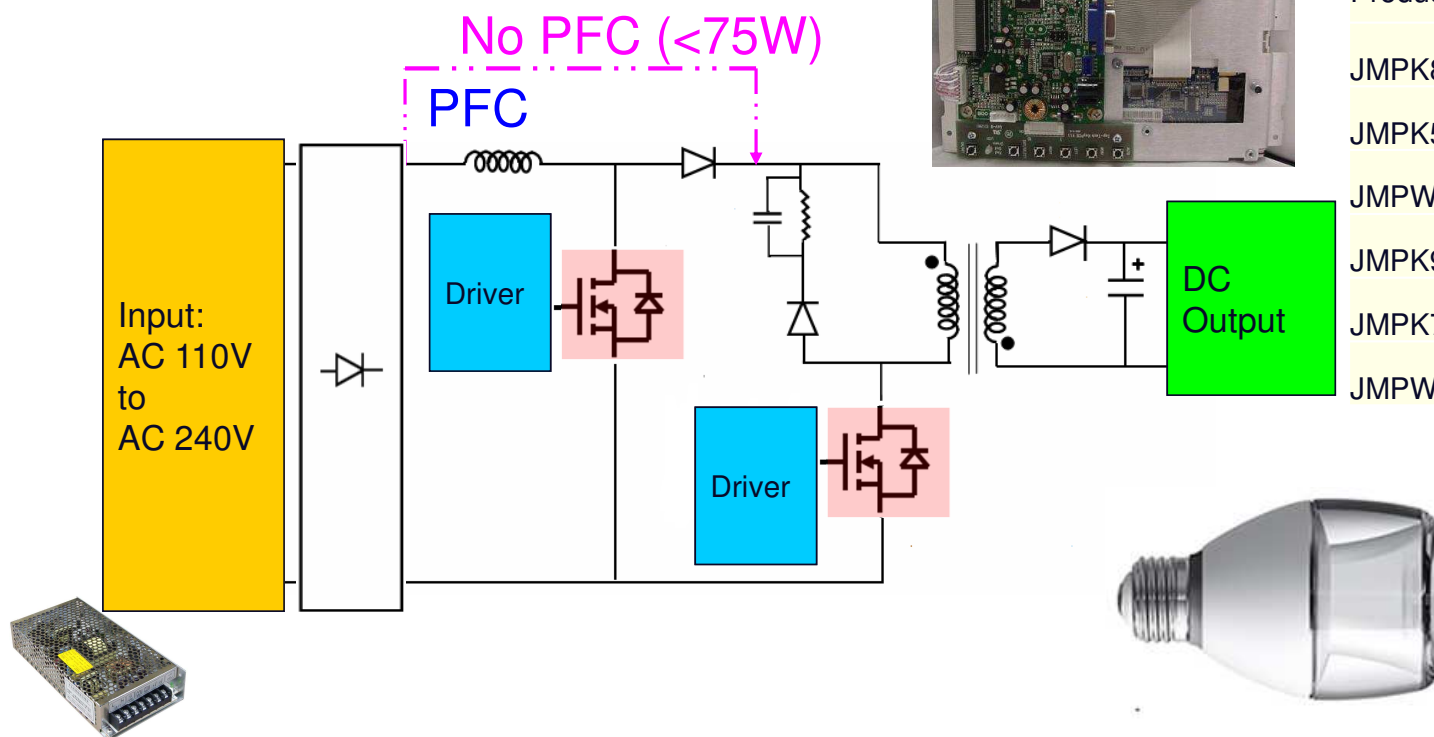


LED

- ✓ LED Light
- ✓ Display screen

LED Light

- LED Light
 - Power Supply / Adapter(Isolation)

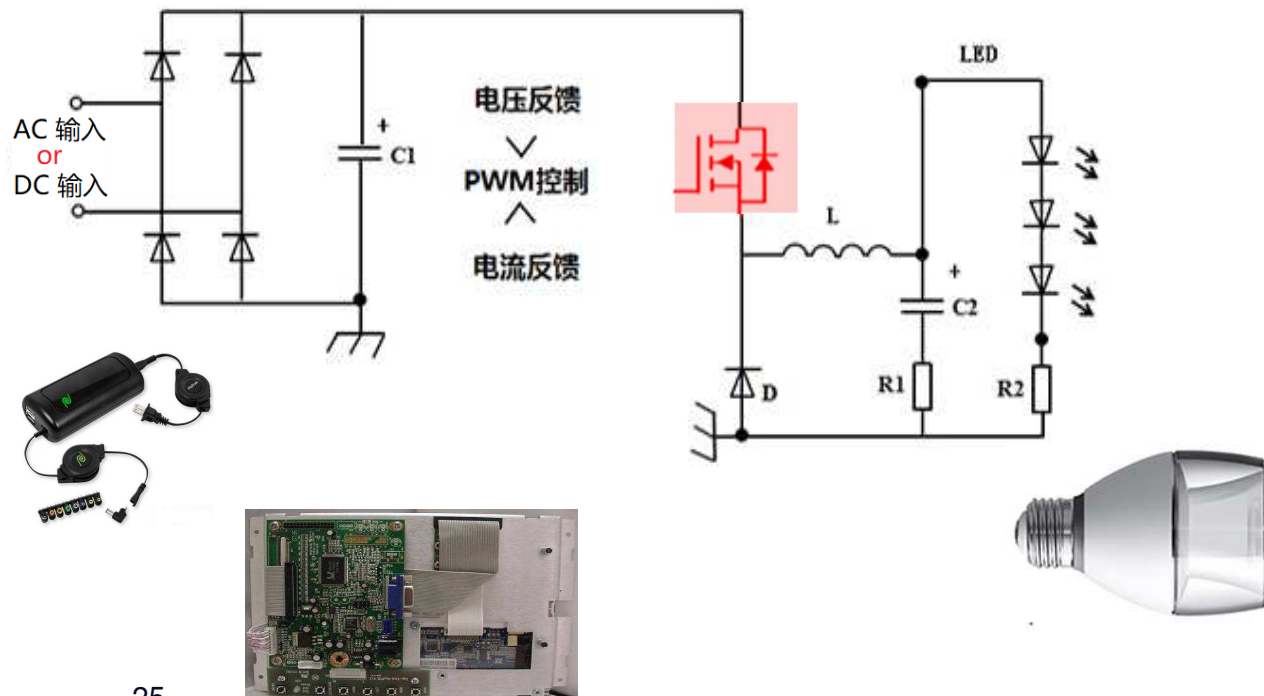


400V-700V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPK840G1	TO-252-4R	500	9
JMPK5N50G1	TO-252-4R	500	5
JMPW9N65G1	TO-262	650	9
JMPK9N65G1	TO-252-4R	650	9
JMPK7N65G1	TO-252-4R	650	7
JMPW7N65G1	TO-262	650	7

LED Light

➤ LED Light – Power Supply / DC-DC(non-isolation)



400V-700V Nch MOSFET

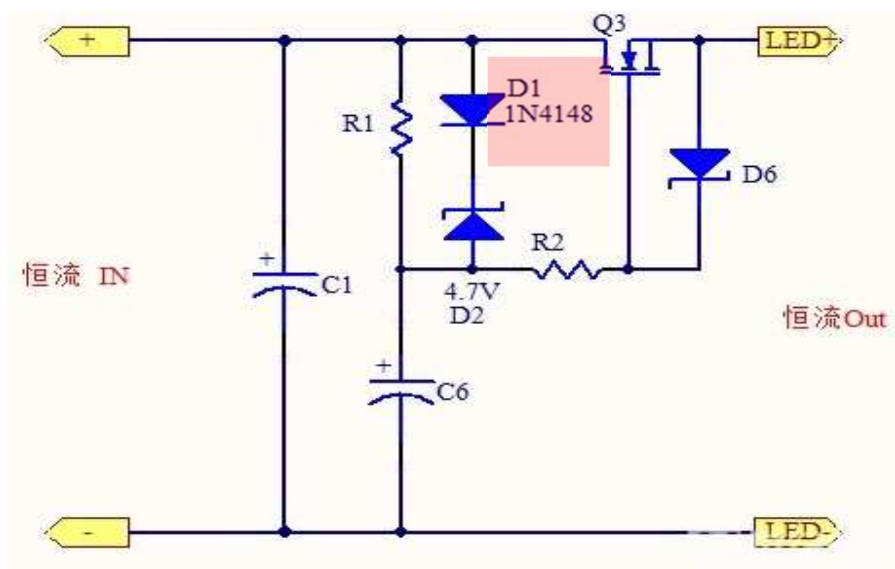
Product Name	Package	Vds(V)	ID(A)
JMPK840G1	TO-252-4R	500	9
JMPK5N50G1	TO-252-4R	500	5
JMPW9N65G1	TO-262	650	9
JMPK9N65G1	TO-252-4R	650	9
JMPK7N65G1	TO-252-4R	650	7
JMPW7N65G1	TO-262	650	7

20V-200V Nch MOSFET(DC/DC)

Product Name	Package	Vds(V)	ID(A)
JMTP9926B	SOP-8	20	6
JMTP260N03D	SOP-8	30	8
JMTL3400A	SOT-23	30	5.8
JMTJ3400A	SOT-23-3L	30	5.8
JMTL400N04A	SOT-23	40	5
JMTP400N04A	SOP-8	40	6
JMTK330N06A	TO-252-4R	60	20
JMTP330N06D	SOP-8	60	5
JMPK630L	TO-252-4R	200	9

LED Light

➤ Smooth Blink



30V-200V Nch MOSFET

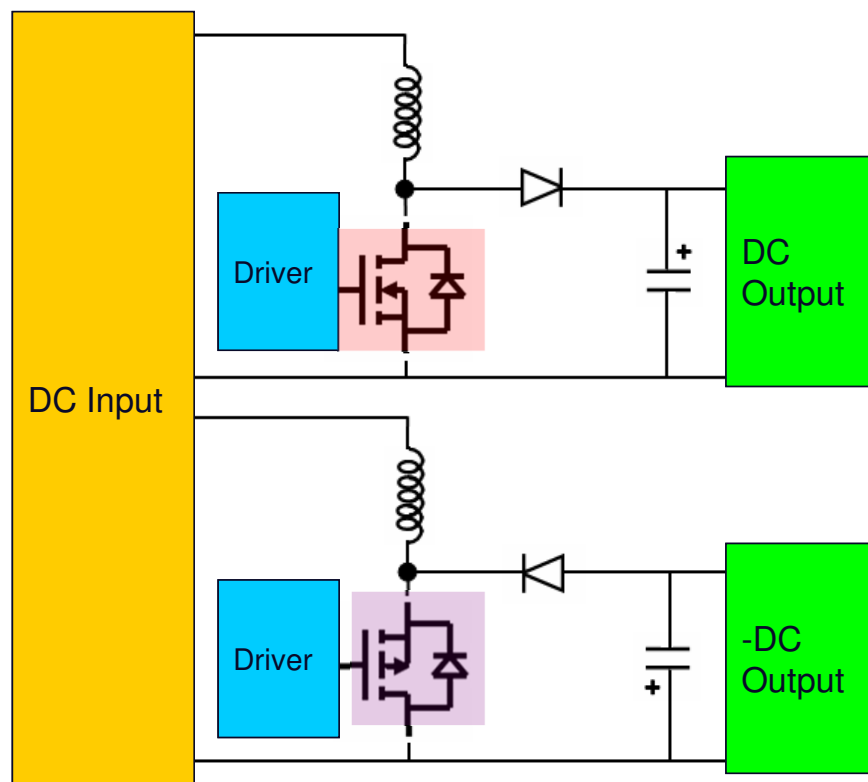
Product Name	Package	Vds(V)	ID(A)
JMTK110N06A	TO-252-4R	60	55
JMTP110N06A	SOP-8	60	12
JMTP170N06A	SOP-8	60	10
JMTP170N06D	SOP-8	60	9.2
JMTK10N10A	TO-252-4R	100	10
JMTI10N10A	TO-251-4R	100	10
JMTQ11DN10A	PDFN3.3X3.3-8L	100	10
JMTP11DN10A	SOP-8	100	3
JMPK630L	TO-252-4R	200	9

Display Screen

➤ Phone Backlight

20V-30V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTV100N02A	DFN2X2-6L	20	10
JMTJ100N02A	SOT-23-3L	20	8
JMTP9926A	SOP-8	20	6.5
JMTL2312A	SOT-23	20	6.8
JMTP3010D	SOP-8	30	12
JMTQ3010D	PDFN3.3X3.3-8L	30	22
JMTP260N03D	SOP-8	30	8
JMTL3400A	SOT-23	30	5.8
JMTJ3400A	SOT-23-3L	30	5.8

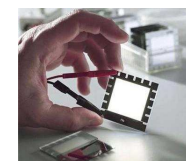
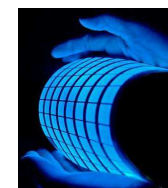
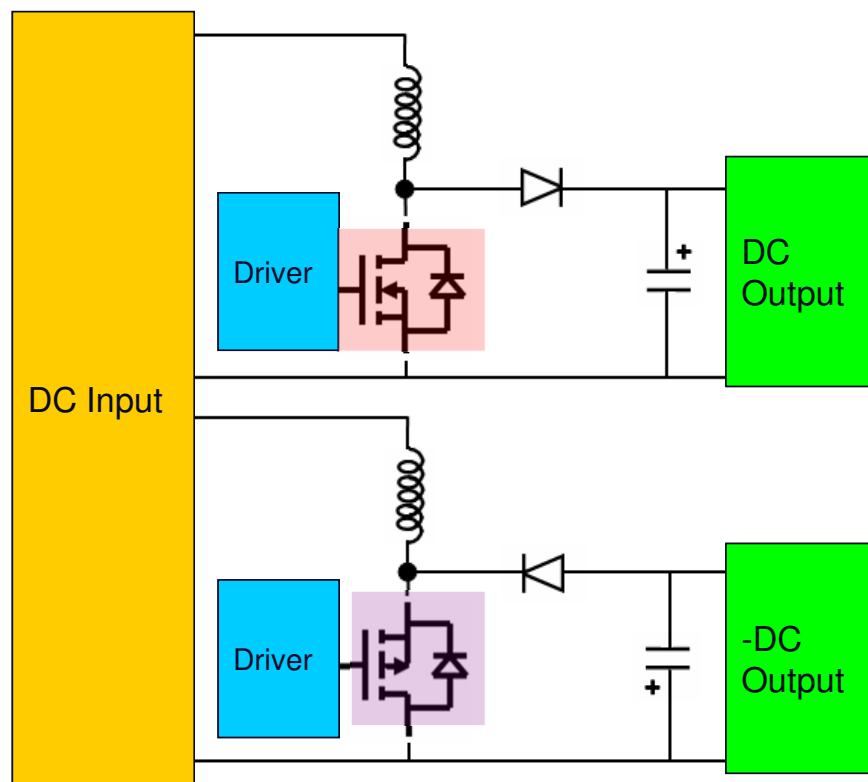


Display Screen

➤ Phone Backlight

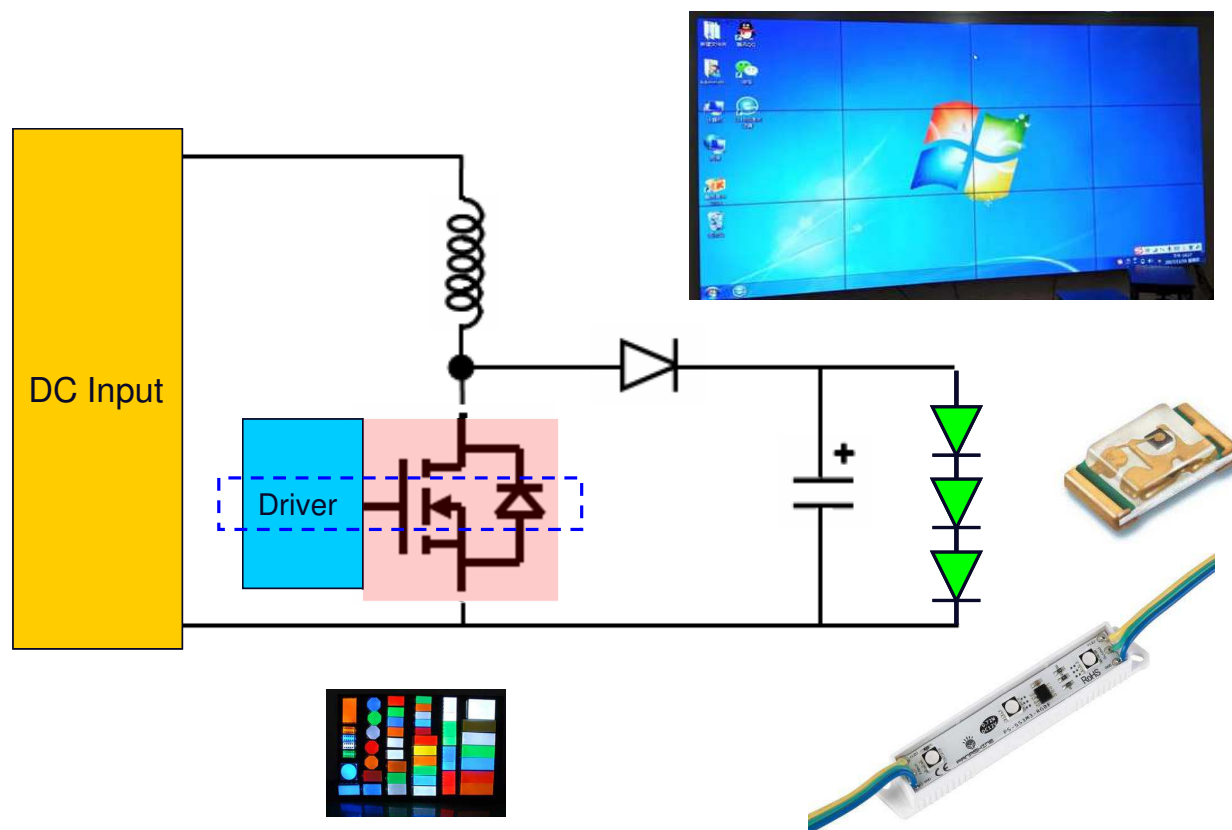
20V-30V Pch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTP4407A	SOP-8	-30	-12
JMTQ4407A	PDFN3.3X3.3-8L	-30	-35
JMTP160P03D	SOP-8	-30	-11
JMTQ160P03A	PDFN3.3X3.3-8L	-30	-15
JMTP4407B	SOP-8	-30	-11
JMTQ200P03A	PDFN3.3X3.3-8L	-30	-12
JMTP4435A	SOP-8	-30	-10
JMTP340P03A	SOP-8	-30	-7
JMTV210P02A	DFN2X2-6L	-20	-12
JMTJ210P02A	SOT-23-3L	-20	-7



Display Screen

➤ Notebook PC Backlight

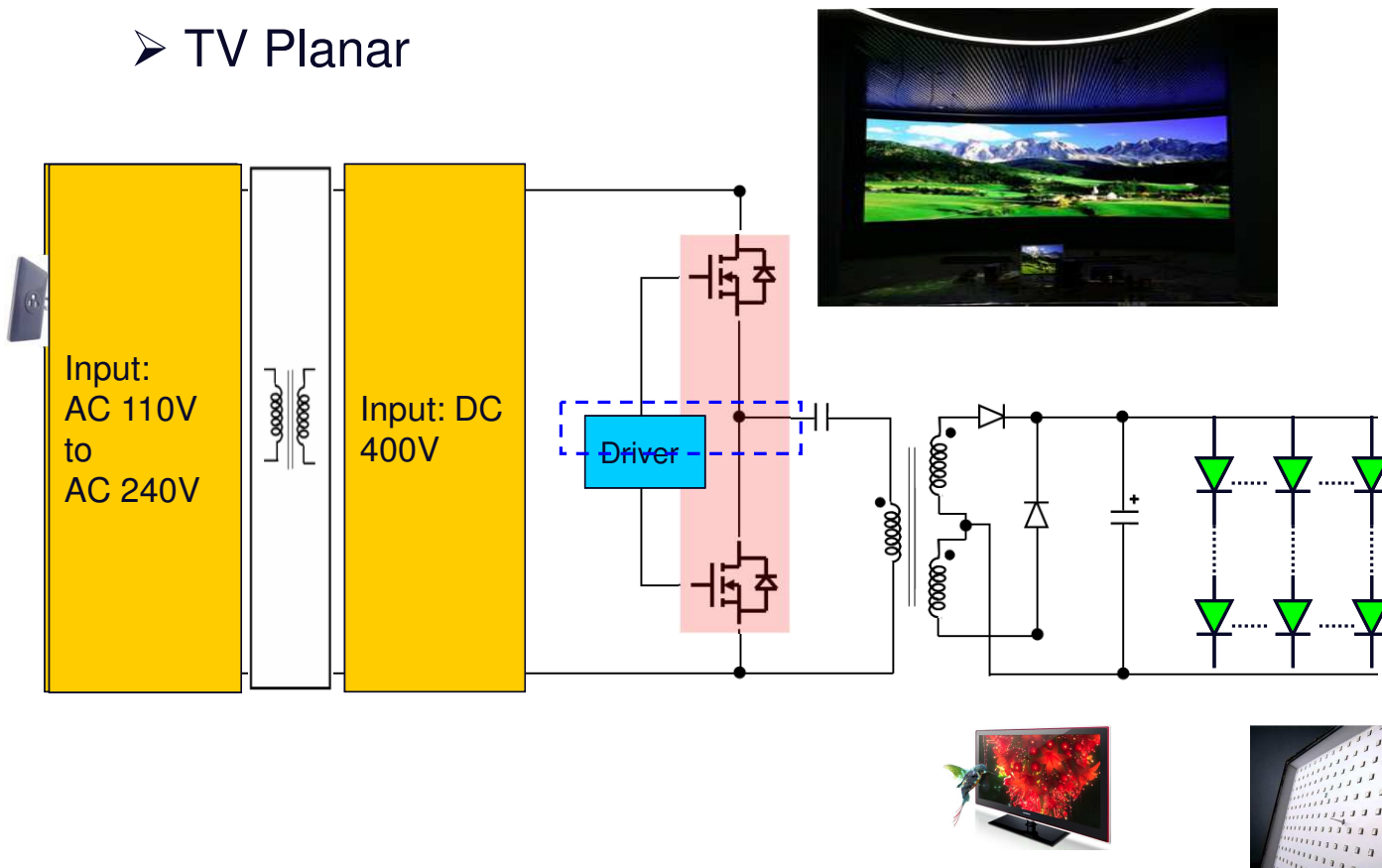


30V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTP045N03A	SOP-8	30	20
JMTQ3008A	PDFN3.3X3.3-8L	30	30
JMTP3008A	SOP-8	30	15
JMTG3008A	PDFN5X6-8L	30	40
JMTV3010A	DFN2X2-6L	30	20
JMTQ3010D	PDFN3.3X3.3-8L	30	22
JMTP3010D	SOP-8	30	12
JMTK120N03A	TO-252-4R	30	20
JMTQ120N03A	PDFN3.3X3.3-8L	30	18
JMTQ120N03D	PDFN3.3X3.3-8L	30	15

Display Screen

➤ TV Planar

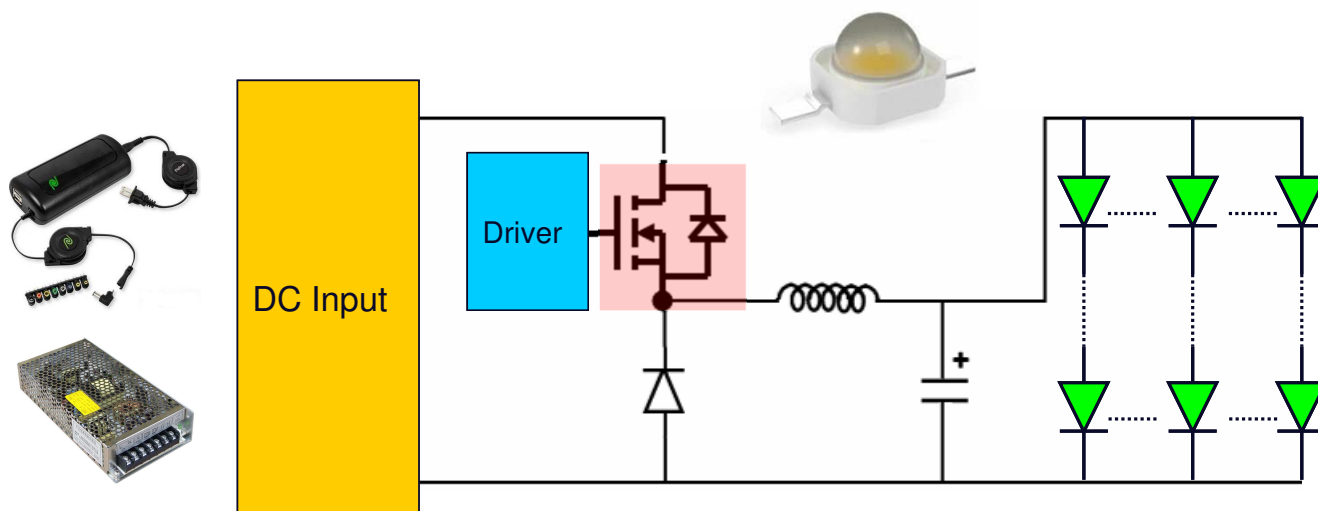


650V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPF13N65G1	TO-220FP	650	13

Display Screen

➤ Monitor



30V-60V Nch MOSFET

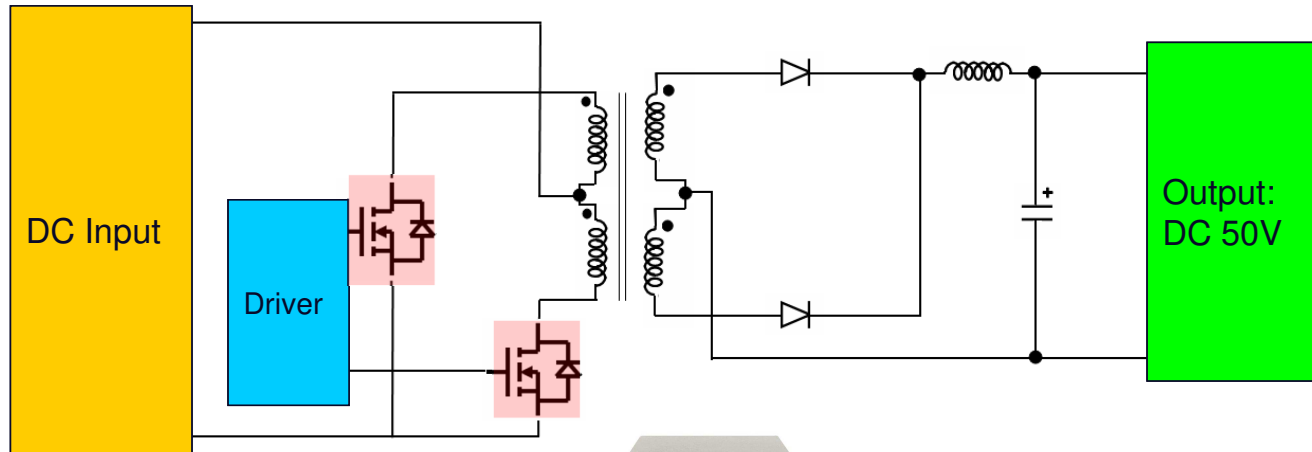
Product Name	Package	Vds(V)	ID(A)
JMTP3010D	SOP-8	30	12
JMTQ3010D	PDFN3.3X3.3-8L	30	22
JMTP260N03D	SOP-8	30	8
JMTL3400A	SOT-23	30	5.8
JMTJ3400A	SOT-23-3L	30	5.8
JMTP130N04A	SOP-8	40	10
JMTM170N04A	SOT-23-6L	40	8
JMTP110N06A	SOP-8	60	12
JMTP170N06A	SOP-8	60	10
JMTP170N06D	SOP-8	60	9.2



- ✓ POE
- ✓ DSL
- ✓ 5G

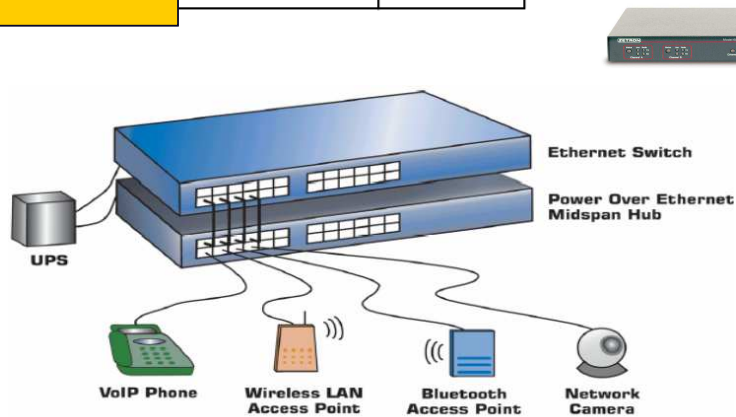


POE

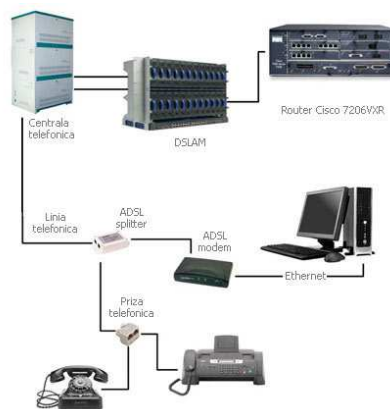
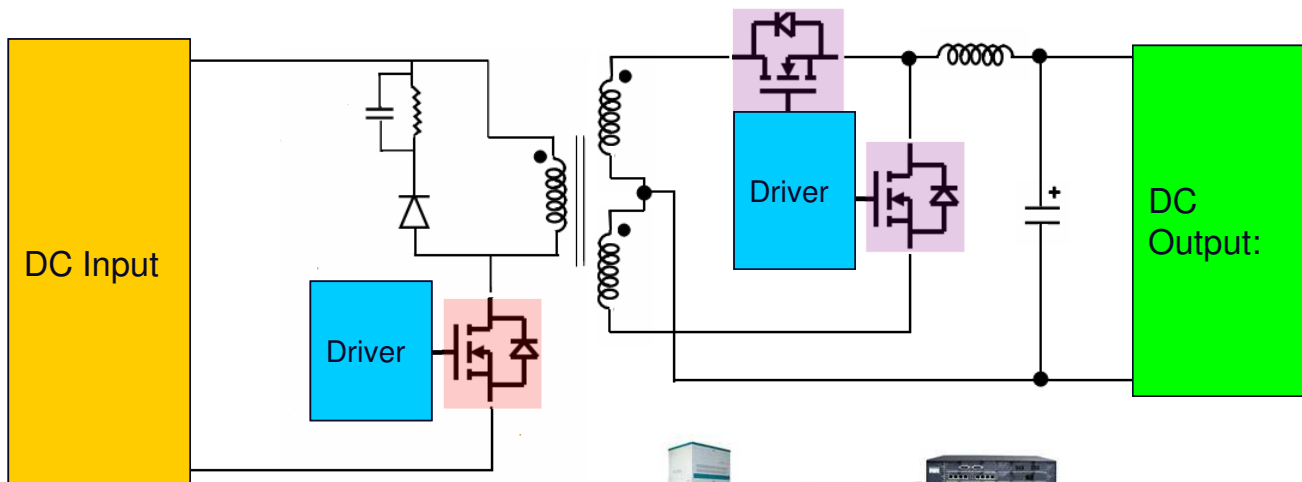


100V-200V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTK10N10A	TO-252-4R	100	10
JMTI10N10A	TO-251-4R	100	10
JMTQ11DN10A	PDFN3.3X3.3-8L	100	10
JMTP11DN10A	SOP-8	100	3
JMPK630L	TO-252-4R	200	9



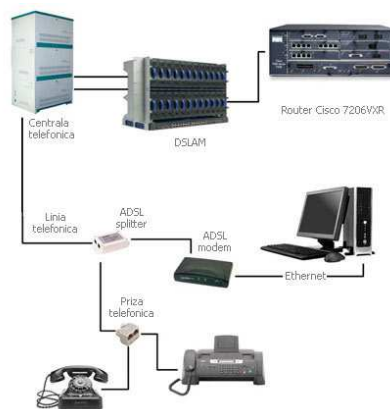
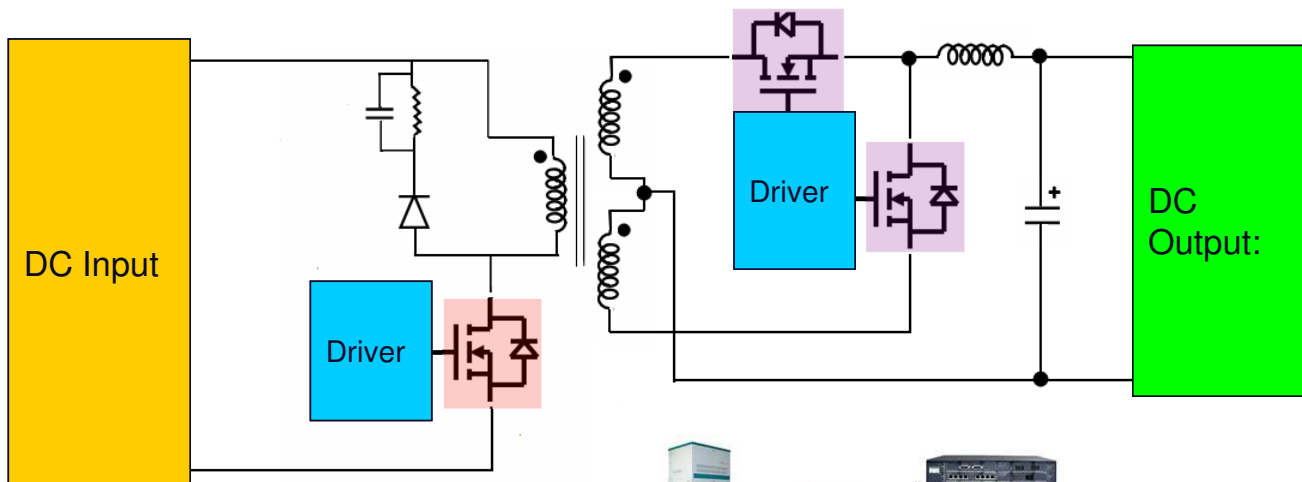
DSL



60V-200V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTP110N06A	SOP-8	60	12
JMTK110N06A	TO-252-4R	60	55
JMTP170N06A	SOP-8	60	10
JMTP170N06D	SOP-8	60	9.2
JMTK10N10A	TO-252-4R	100	10
JMTI10N10A	TO-251-4R	100	10
JMTQ11DN10A	PDFN3.3X3.3-8L	100	10
JMTP11DN10A	SOP-8	100	3
JMPK630L	TO-252-4R	200	9
JMGG088V10A	PDFN5X6-8L	100	75
JMGP088V10A	SOP-8	100	20
JMGK088V10A	TO-252-4R	100	80

DSL



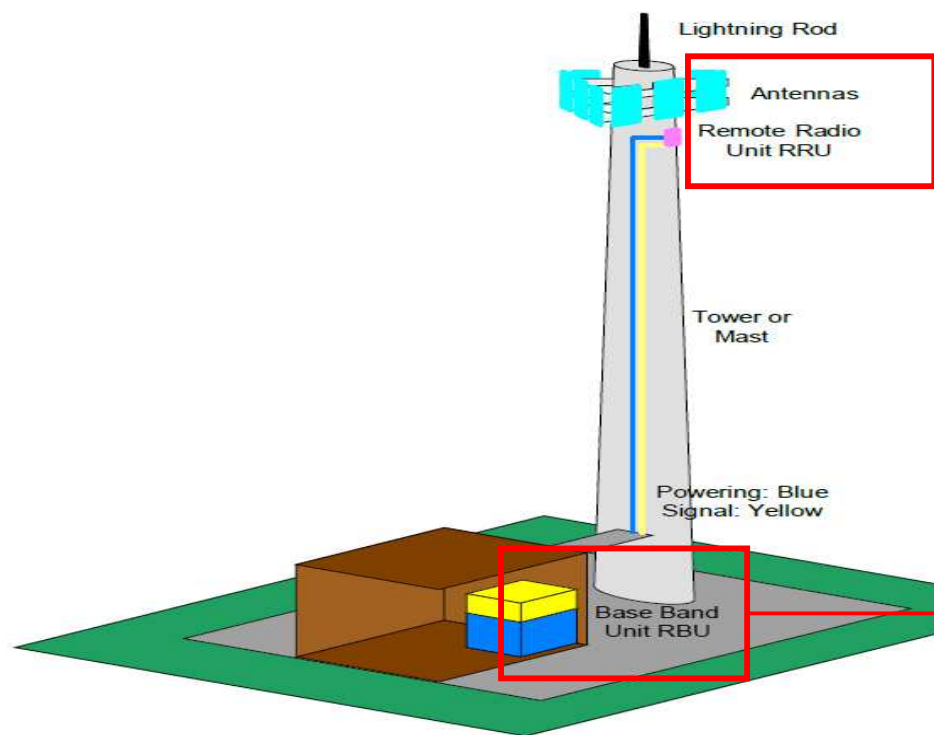
20V-75V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTV100N02A	DFN2X2-6L	20	10
JMTJ100N02A	SOT-23-3L	20	8
JMTP260N03D	SOP-8	30	8
JMTL3400A	SOT-23	30	5.8
JMTJ3400A	SOT-23-3L	30	5.8
JMTP130N04A	SOP-8	40	10
JMTM170N04A	SOT-23-6L	40	8
JMTP170N06A	SOP-8	60	10
JMTP170N06D	SOP-8	60	9.2

4G/5G application module

5G基站

4G基站简图



集成天线和电源供电模块
提升集成度和频率

RRU(AAU)
单独供电板

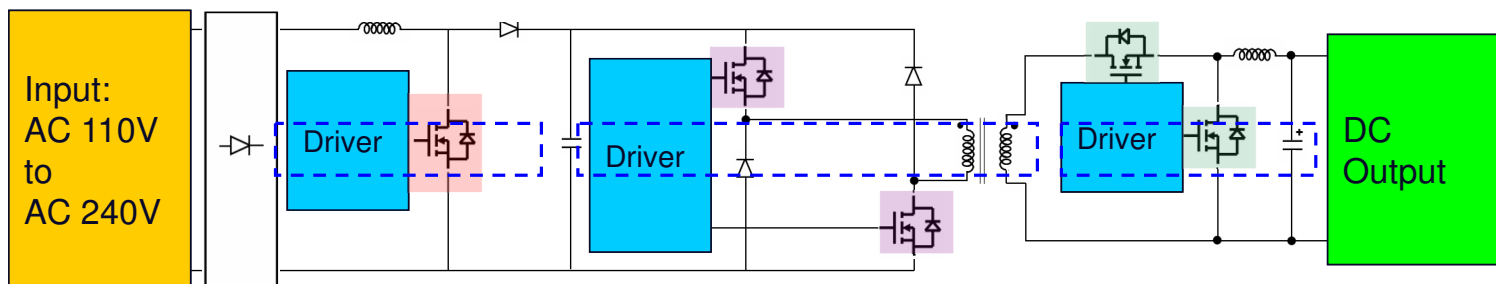
★三大常用功率器件的**5G**核心通信电源模块
捷捷的**SGT**技术非常契合

分离协议和电源供电模块
提升通信系统的灵活性

适配不同的通信场景和要求

BBU
电源供电模块

POE
协议模块



PFC

Isolated DC/DC

Synchronous Rectifier

60V-200V Nch MOSFET

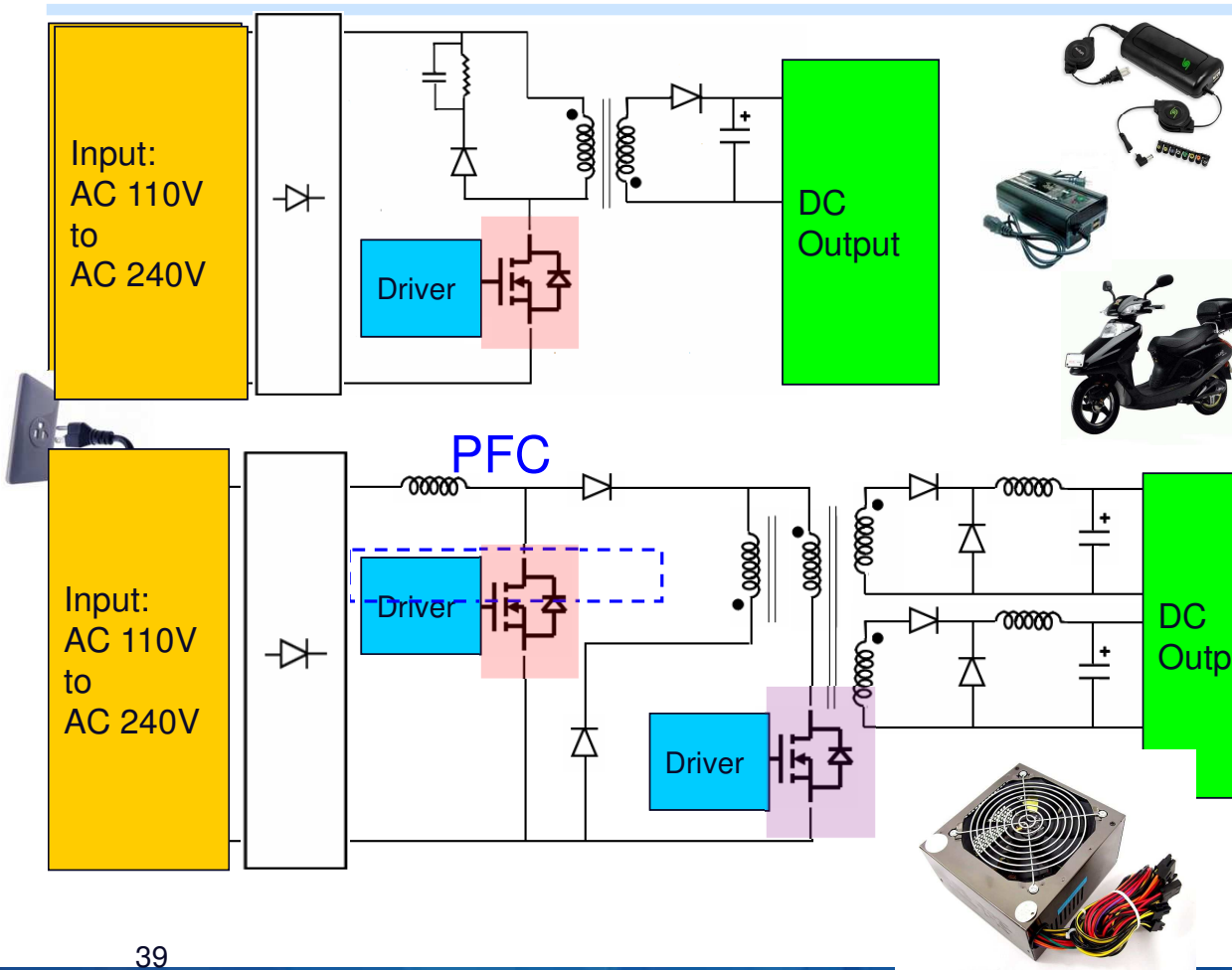
Product Name	Package	Vds(V)	ID(A)
JMGG088V10A	PDFN5X6-8L	100	75
JMGC088V10A	TO-220C	100	80
JMGP088V10A	SOP-8	100	20
JMGK088V10A	TO-252-4R	100	80

Power Supply

- ✓ General Charger
- ✓ DC to DC Converter
- ✓ General SMPS
- ✓ Industrial SMPS
- ✓ OBC/Pile Charging



General Charger



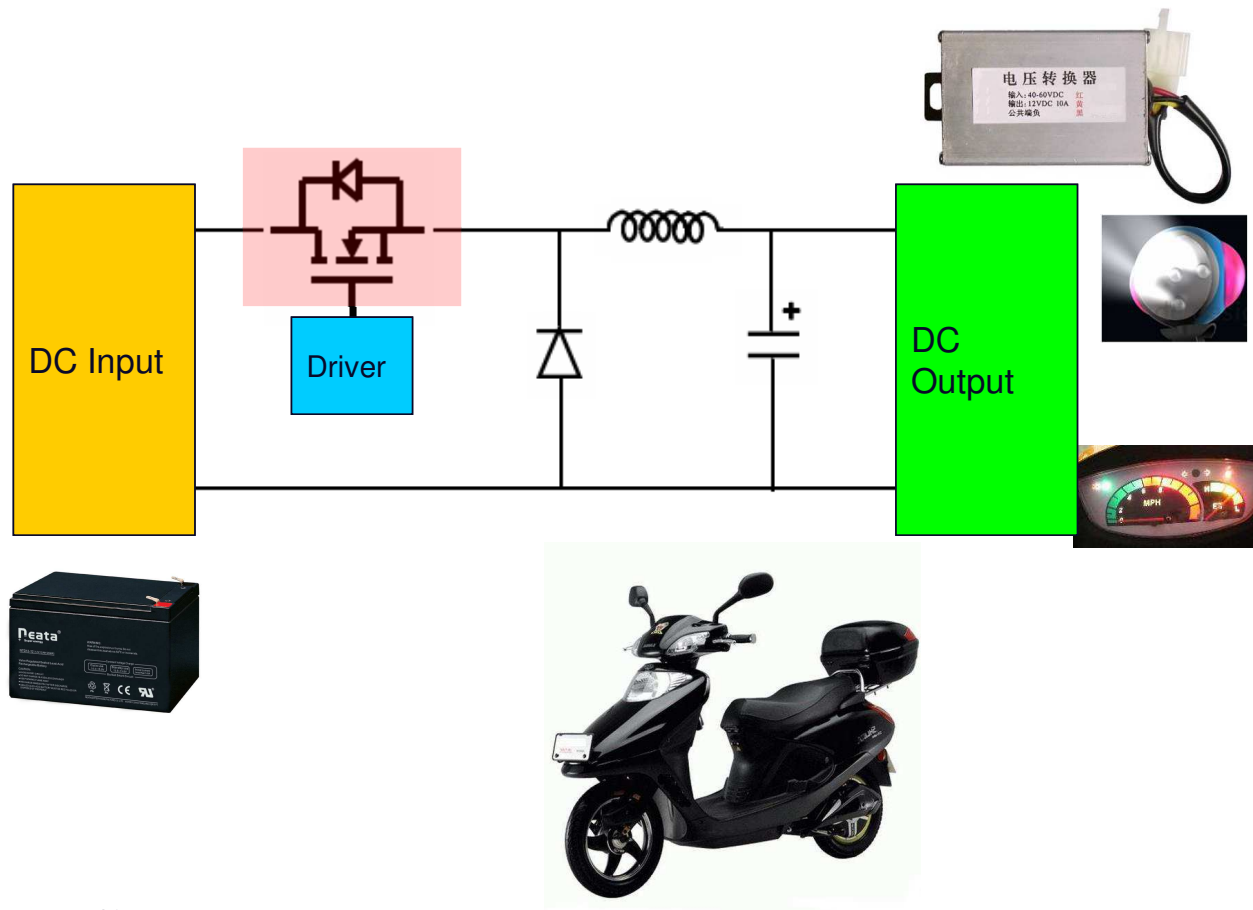
600V-900V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPS9N65G1	TO-247J	650	9
JMPK9N65G1	TO-252-4R	650	9
JMPFP9N65G1	TO-220FA	650	9
JMPS9N65G1	TO-247J	650	9
JMPF9N65G1	TO-220FP	650	9
JMPI7N65G1	TO-251-4R	650	7
JMPC7N65G1	TO-220C	650	7
JMPK7N65G1	TO-252-4R	650	7
JMPFP7N65G1	TO-220FA	650	7
JMPF7N65G1	TO-220FP	650	7

650V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPF13N60G1	TO-220FP	600	13
JMPF10N60G1	TO-220FP	600	10
JMPF13N65G1	TO-220FP	650	13
JMPW9N65G1	TO-262	650	9
JMPS9N65G1	TO-247J	650	9
JMPF9N65G1	TO-220FP	650	9
JMPI9N65G1	TO-251-4R	650	9
JMPK9N65G1	TO-252-4R	650	9
JMPFP9N65G1	TO-220FA	650	9
JMPS9N65G1	TO-247J	650	9

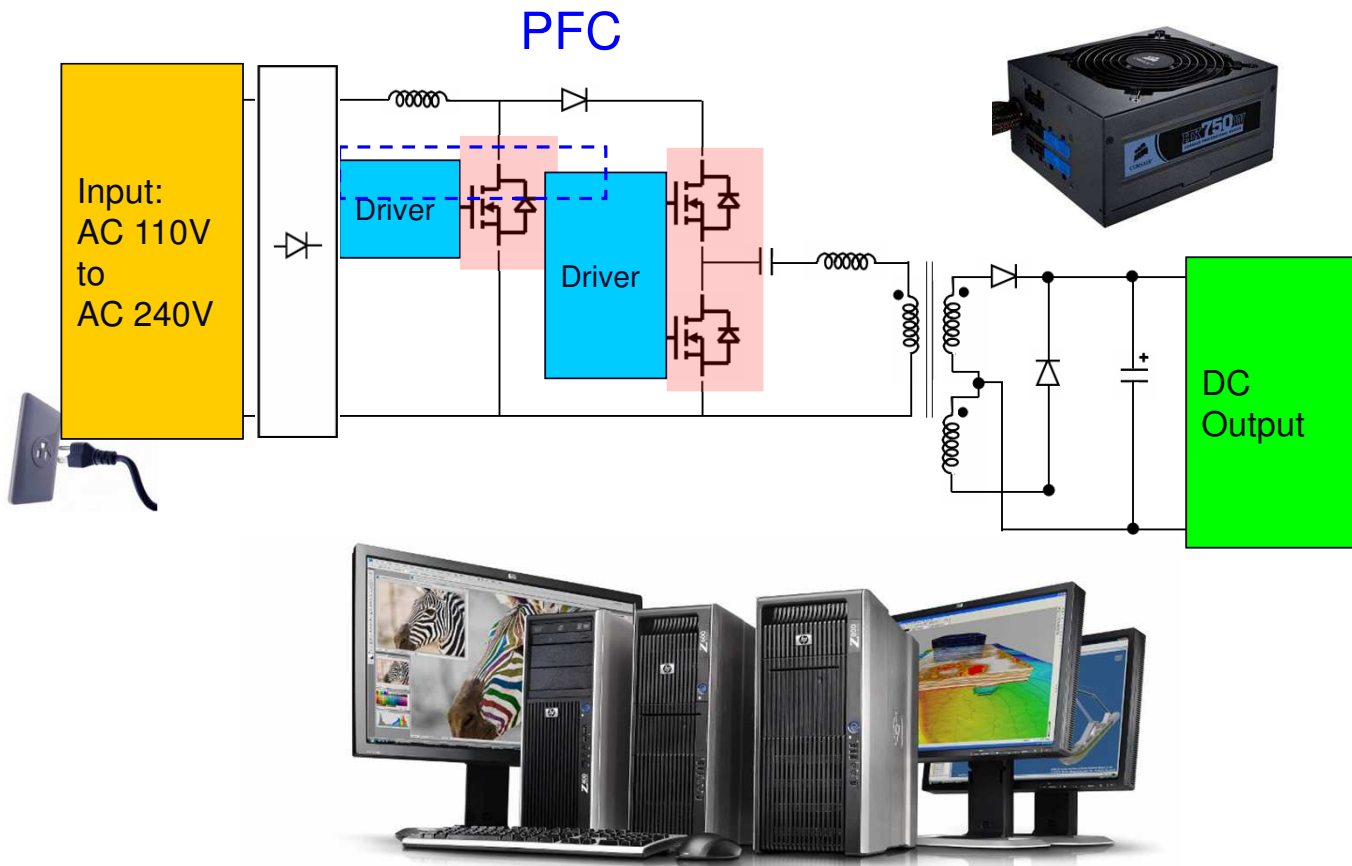
DC to DC Converter



60-100V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTK50N06B	TO-252-4R	60	50
JMTI50N06B	TO-251-4R	60	50
JMTQ35N06A	PDFN3.3X3.3-8L	60	35
JMTK290N06A	TO-252-4R	60	20
JMTI290N06A	TO-251-4R	60	20
JMTK330N06A	TO-252-4R	60	20
JMTP330N06D	SOP-8	60	5
JMTK320N10A	TO-252-4R	100	30
JMTI320N10A	TO-251-4R	100	30
JMTC320N10A	TO-220C	100	30
JMTG320N10A	PDFN5X6-8L	100	28

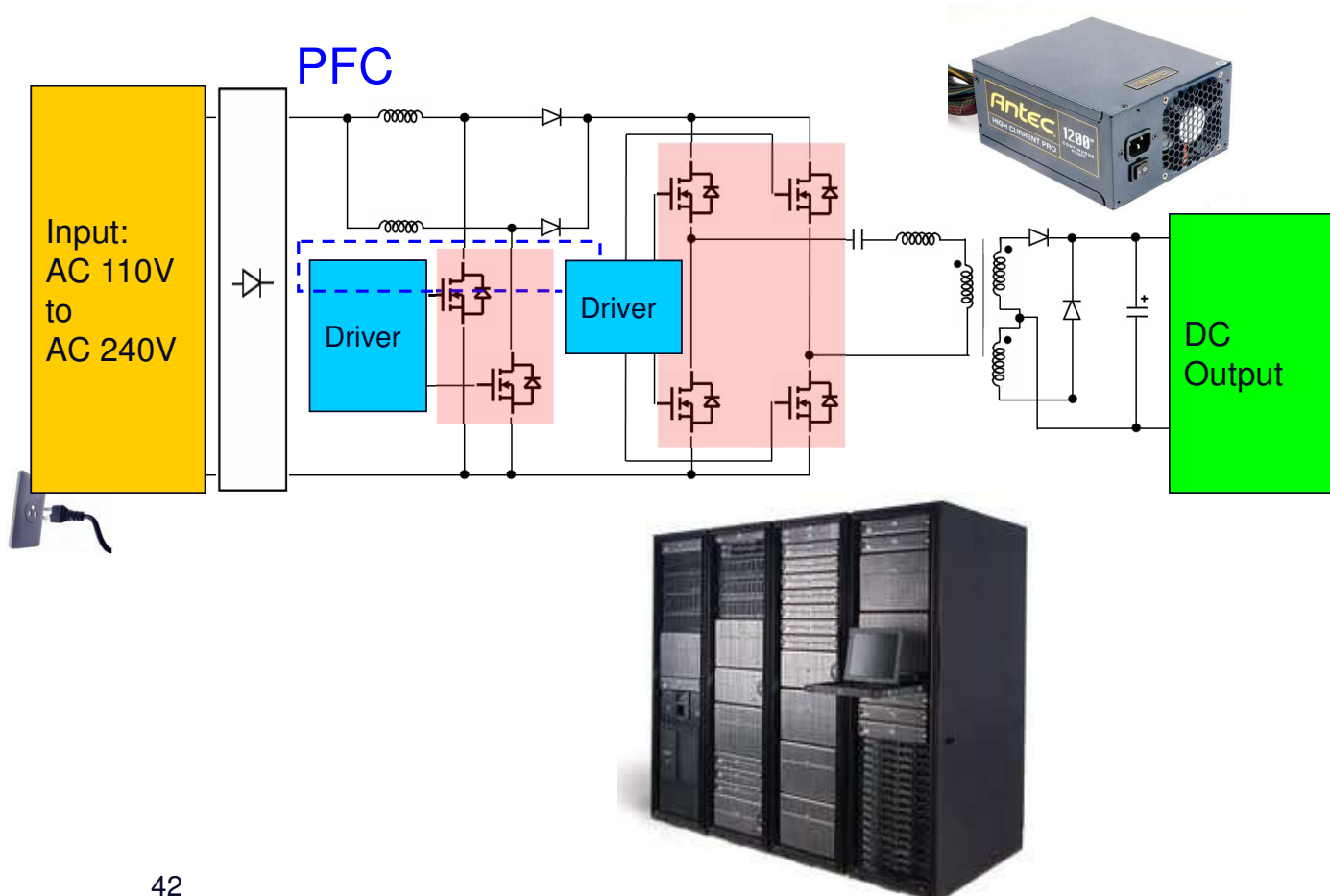
General SMPS



650V Nch MOSFET

Product Name	Package	V _{ds} (V)	I _D (A)
JMPF13N60G1	TO-220FP	600	13
JMPF10N60G1	TO-220FP	600	10
JMPF13N65G1	TO-220FP	650	13
JMPW9N65G1	TO-262	650	9
JMPS9N65G1	TO-247J	650	9
JMPF9N65G1	TO-220FP	650	9
JMPI9N65G1	TO-251-4R	650	9
JMPK9N65G1	TO-252-4R	650	9
JMPFP9N65G1	TO-220FA	650	9

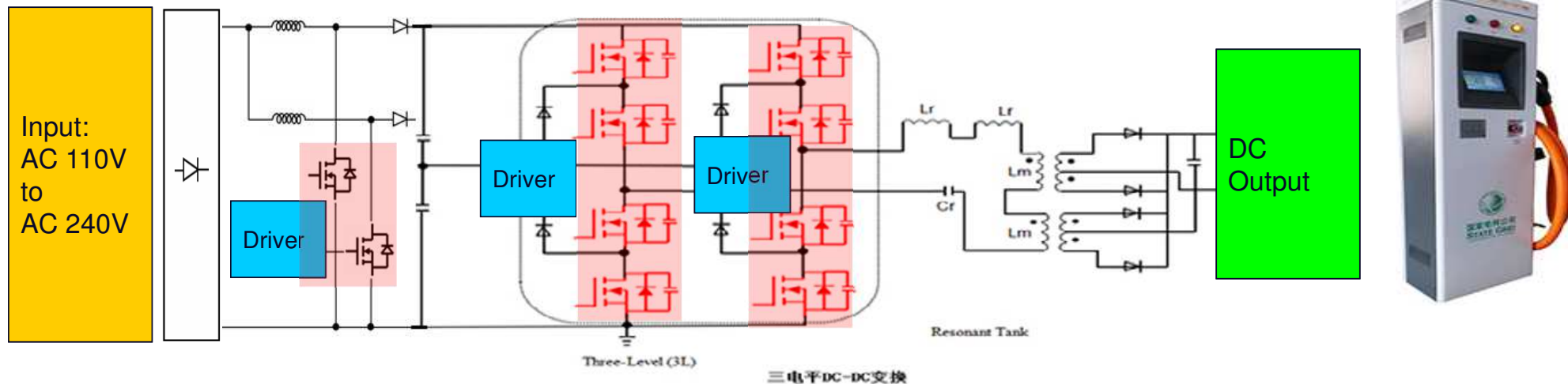
Industrial SMPS



650V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPF20N60G1	TO-220FP	600	20
JMPF13N60G1	TO-220FP	600	13
JMPF20N65G1	TO-220FP	650	20
JMPF13N65G1	TO-220FP	650	13

OBC/Pile Charging



PFC



650V Nch MOSFET

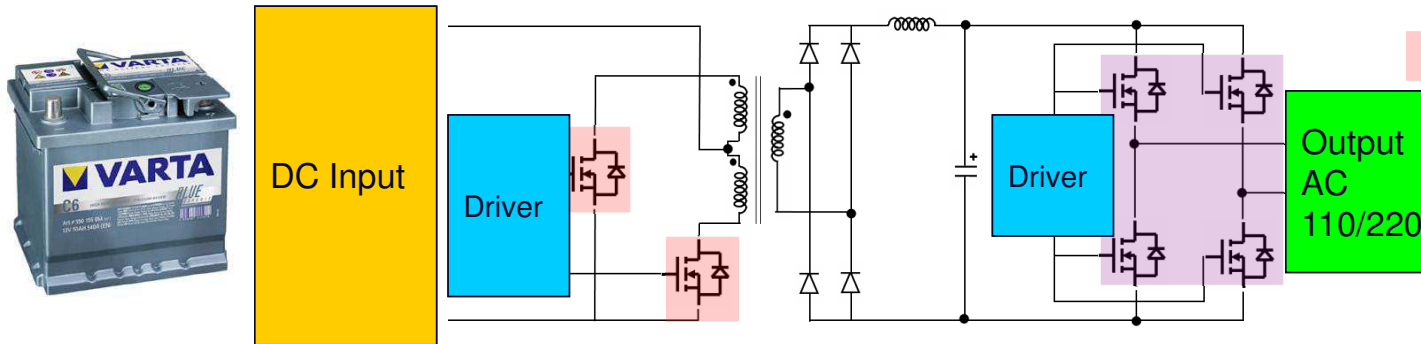
Product Name	Package	Vds(V)	ID(A)
JMPF20N60G1	TO-220FP	600	20
JMPF13N60G1	TO-220FP	600	13
JMPF20N65G1	TO-220FP	650	20
JMPF13N65G1	TO-220FP	650	13

Inverter

- ✓ Vehicle Inverter
- ✓ UPS (Uninterrupted Power Supply)
 - *Off-Line*
 - *On-Line*
- ✓ Solar Power

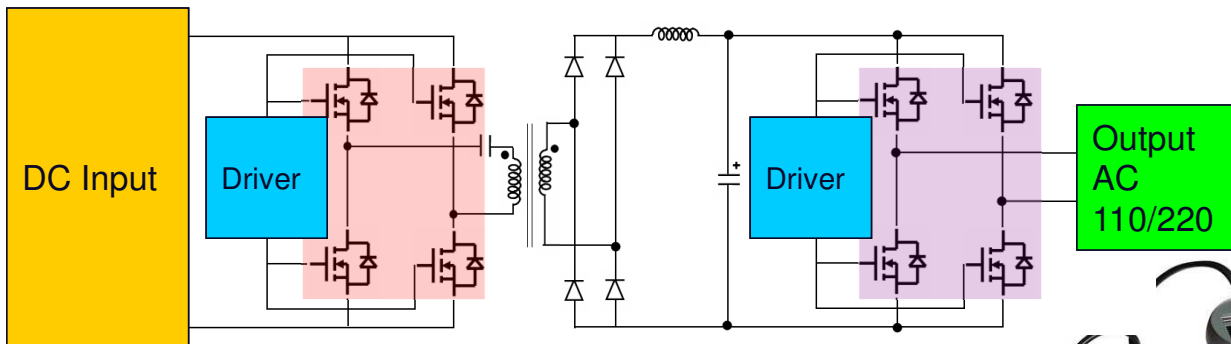


Vehicle Inverter



60V-100V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTC060N06A	TO-220C	60	120
JMTE060N06A	TO-263	60	120
JMGG088V10A	PDFN5X6-8L	100	75
JMGC088V10A	TO-220C	100	80
JMGP088V10A	SOP-8	100	20
JMGK088V10A	TO-252-4R	100	80



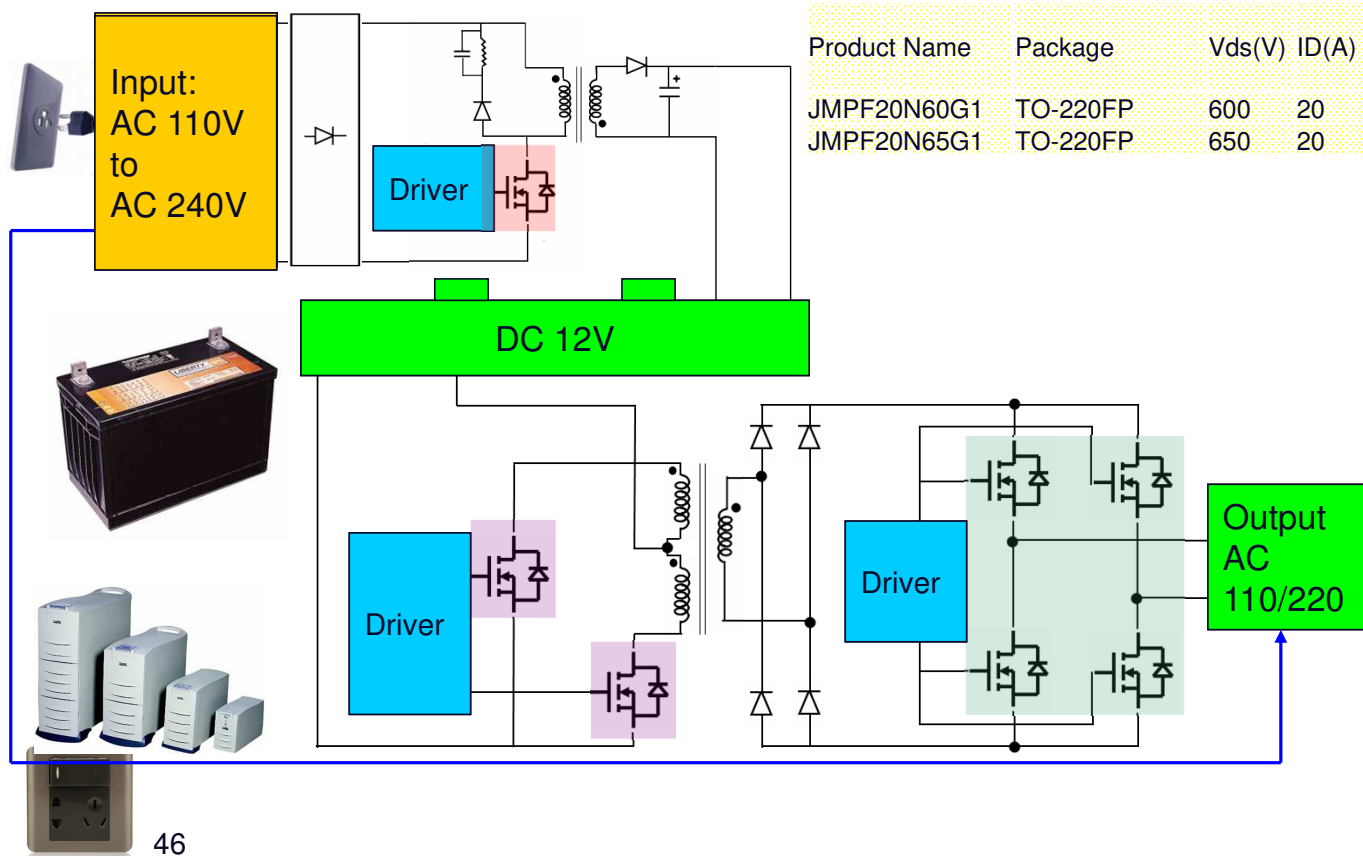
500V-650V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPF25N50G1	TO-220FP	500	25
JMPF20N60G1	TO-220FP	600	20
JMPF20N65G1	TO-220FP	650	20



UPS

➤ Off-Line Mode



600V-900V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPF20N60G1	TO-220FP	600	20
JMPF20N65G1	TO-220FP	650	20

60V-100V Nch MOSFET

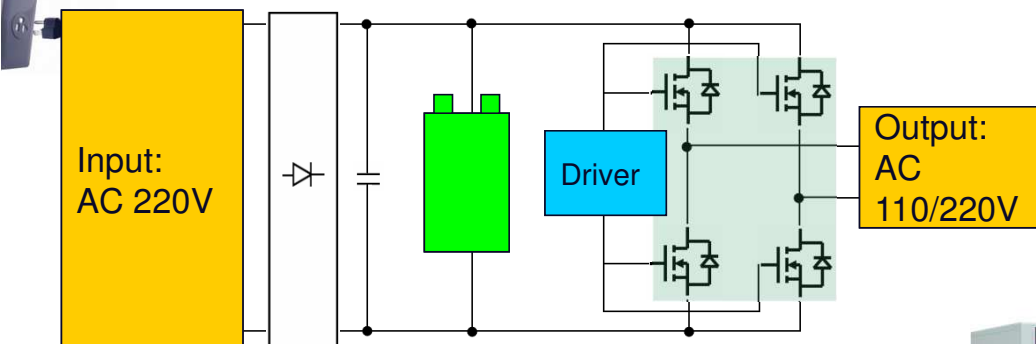
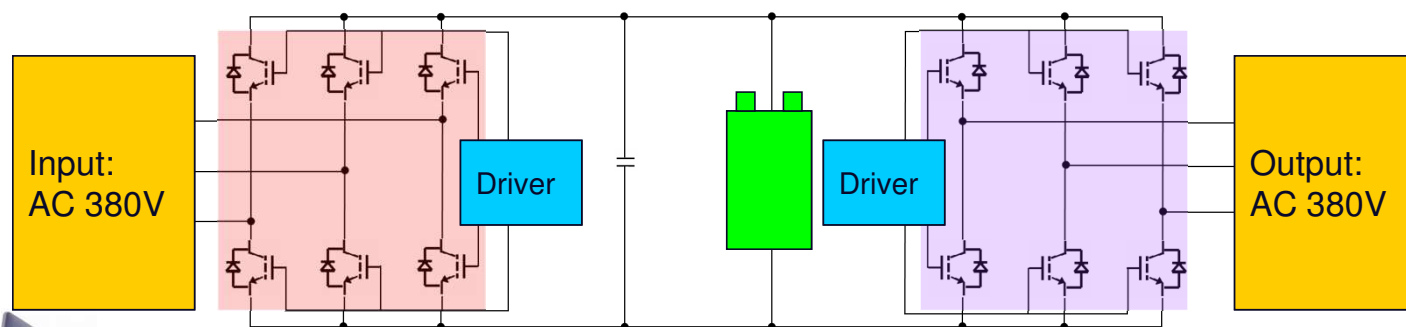
Product Name	Package	Vds(V)	ID(A)
JMTC060N06A	TO-220C	60	120
JMTE060N06A	TO-263	60	120
JMGG088V10A	PDFN5X6-8L	100	75
JMGC088V10A	TO-220C	100	80
JMGP088V10A	SOP-8	100	20
JMGK088V10A	TO-252-4R	100	80

500V-650V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPF25N50G1	TO-220FP	500	25
JMPF20N60G1	TO-220FP	600	20
JMPF20N65G1	TO-220FP	650	20

UPS

➤ On-Line Mode



600V-1700V IGBT

600V-1700V IGBT

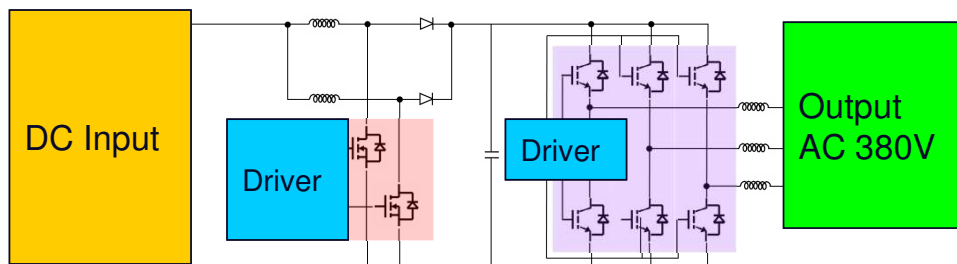
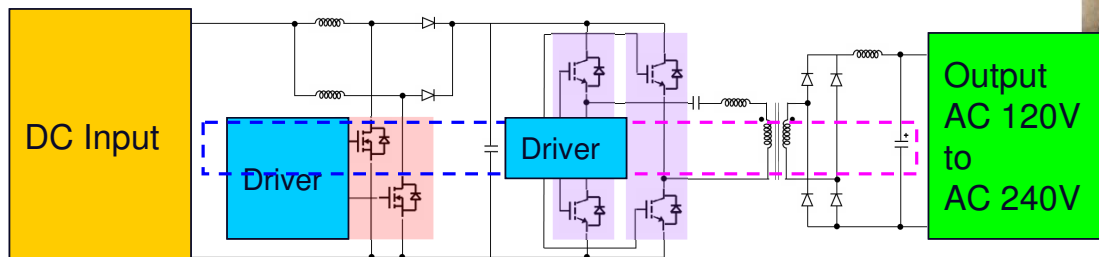
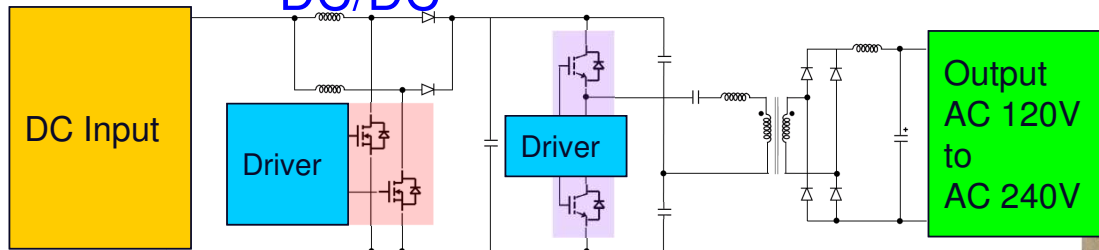
500V-600V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMPF25N50G1	TO-220FP	500	25
JMPF20N60G1	TO-220FP	600	20
JMPF20N65G1	TO-220FP	650	20



Solar Power

DC/DC



DC/AC

600V-1700V IGBT

60V-100V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTC060N06A	TO-220C	60	120
JMTE060N06A	TO-263	60	120
JMGG088V10A	PDFN5X6-8L	100	75
JMGC088V10A	TO-220C	100	80
JMGP088V10A	SOP-8	100	20
JMGK088V10A	TO-252-4R	100	80



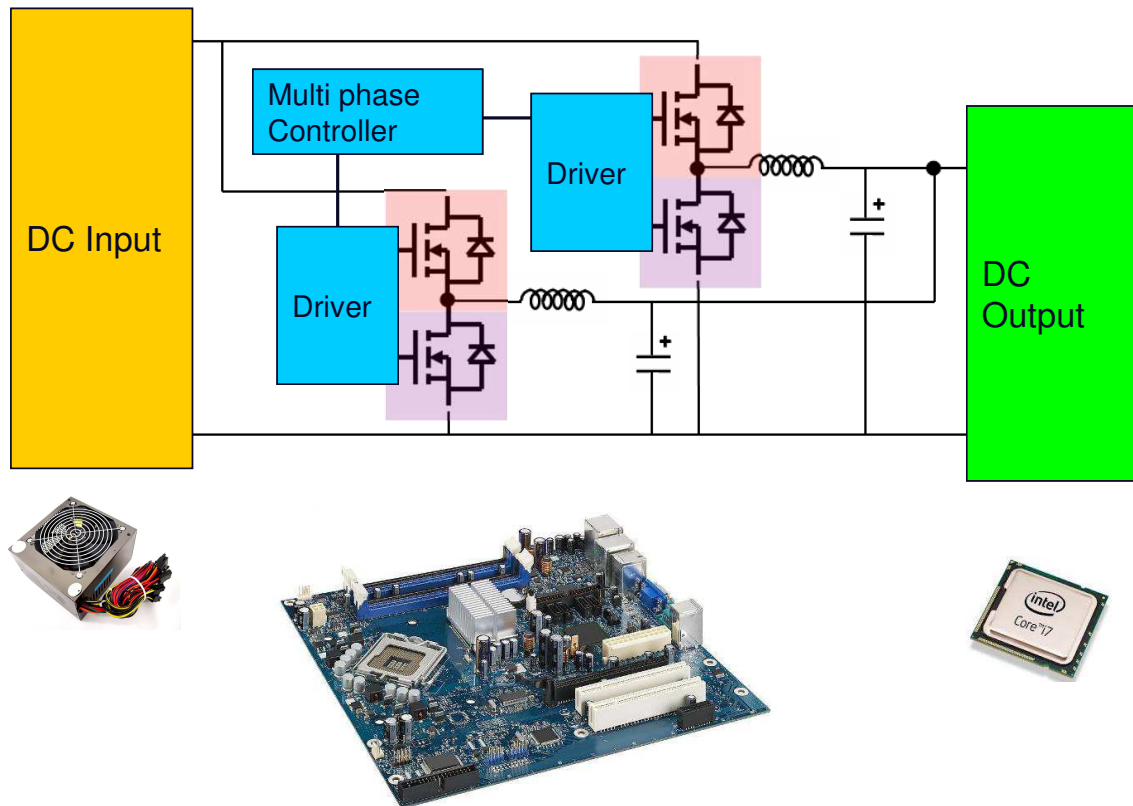
PC MotherBoard

- ✓ Motherboard
 - *Desktop PC*
 - *Notebook*
- ✓ Audio Amplifiers



Motherboard

➤ Desktop PC



20V-30V Nch MOSFET High Side - Low Qg

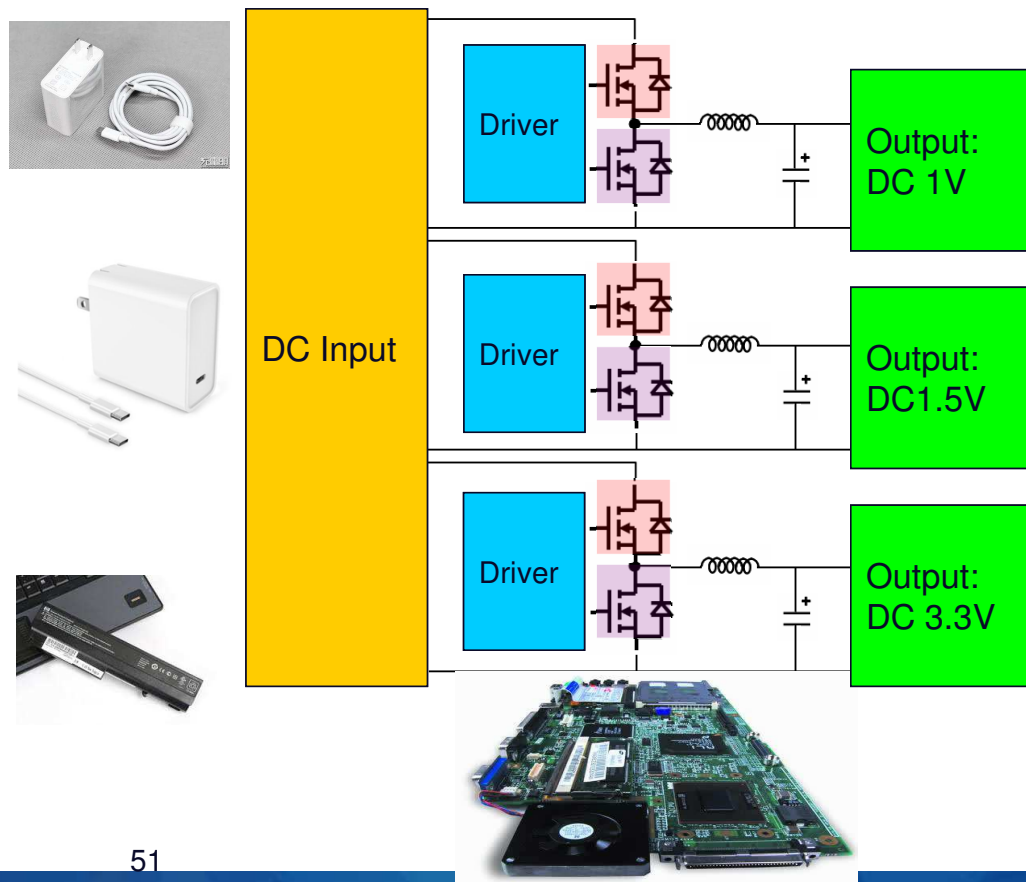
Product Name	Package	Vds(V)	ID(A)
JMTQ025N02A	PDFN3.3X3.3-8L	20	80
JMTG3002B	PDFN5X6-8L	30	120
JMTQ3003A	PDFN3.3X3.3-8L	30	80
JMTE3003A	TO-263	30	150
JMTC3003A	TO-220C	30	150
JMTG3003A	PDFN5X6-8L	30	90
JMTK3003A	TO-252-4R	30	150
JMTG040N03A	PDFN5X6-8L	30	80
JMTK3004A	TO-252-4R	30	100

20V-30V Nch MOSFET Low Side - Low Rds(on)

Product Name	Package	Vds(V)	ID(A)
JMTQ025N02A	PDFN3.3X3.3-8L	20	80
JMTG3002B	PDFN5X6-8L	30	120
JMTE3002B	TO-263	30	180
JMTK3002B	TO-252-4R	30	180
JMTG018N03A	PDFN5X6-8L	30	130
JMTE018N03A	TO-263	30	190
JMTC018N03A	TO-220C	30	190
JMTK018N03A	TO-252-4R	30	190

Motherboard

➤ Notebook



20V-30V Nch MOSFET

High Side - Low Qg

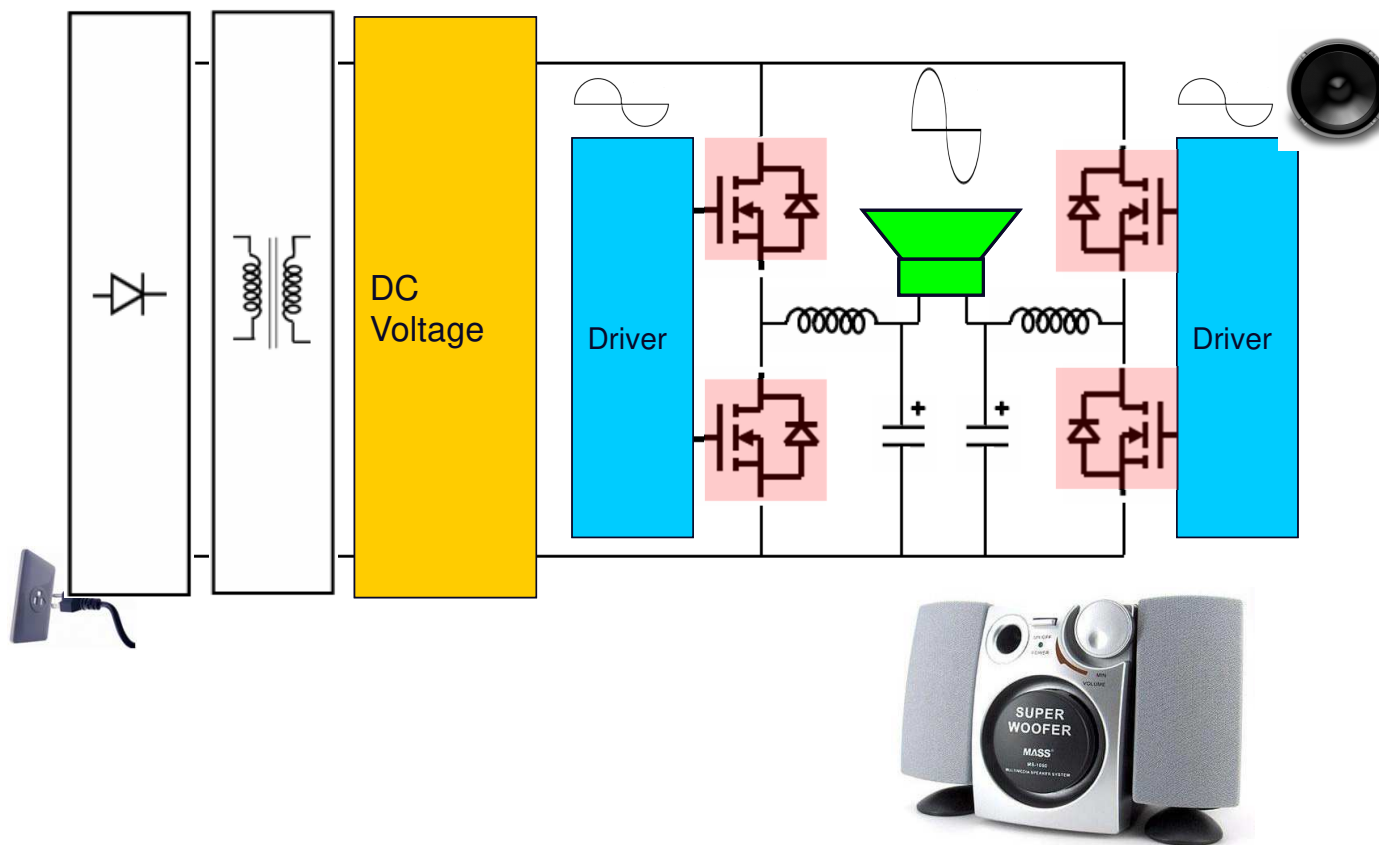
Product Name	Package	Vds(V)	ID(A)
JMTQ025N02A	PDFN3.3X3.3-8L	20	80
JMTG3002B	PDFN5X6-8L	30	120
JMTQ3003A	PDFN3.3X3.3-8L	30	80
JMTE3003A	TO-263	30	150
JMTC3003A	TO-220C	30	150
JMTG3003A	PDFN5X6-8L	30	90
JMTK3003A	TO-252-4R	30	150
JMTG040N03A	PDFN5X6-8L	30	80
JMTK3004A	TO-252-4R	30	100

20V-30V Nch MOSFET

Low Side - Low Rds(on)

Product Name	Package	Vds(V)	ID(A)
JMTQ025N02A	PDFN3.3X3.3-8L	20	80
JMTG3002B	PDFN5X6-8L	30	120
JMTE3002B	TO-263	30	180
JMTK3002B	TO-252-4R	30	180
JMTG018N03A	PDFN5X6-8L	30	130
JMTE018N03A	TO-263	30	190
JMTC018N03A	TO-220C	30	190
JMTK018N03A	TO-252-4R	30	190

Audio Amplifiers



20-40V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTV100N02A	DFN2X2-6L	20	10
JMTJ100N02A	SOT-23-3L	20	8
JMTK100N02A	TO-252-4R	20	30
JMTP4406A	SOP-8	30	13
JMTP3010D	SOP-8	30	12
JMTQ3010D	PDFN3.3X3.3-8L	30	22
JMTP260N03D	SOP-8	30	8
JMTL3400A	SOT-23	30	5.8
JMTJ3400A	SOT-23-3L	30	5.8
JMTP080N04A	SOP-8	40	15
JMTP080N04D	SOP-8	40	13
JMTP130N04A	SOP-8	40	10
JMTM170N04A	SOT-23-6L	40	8

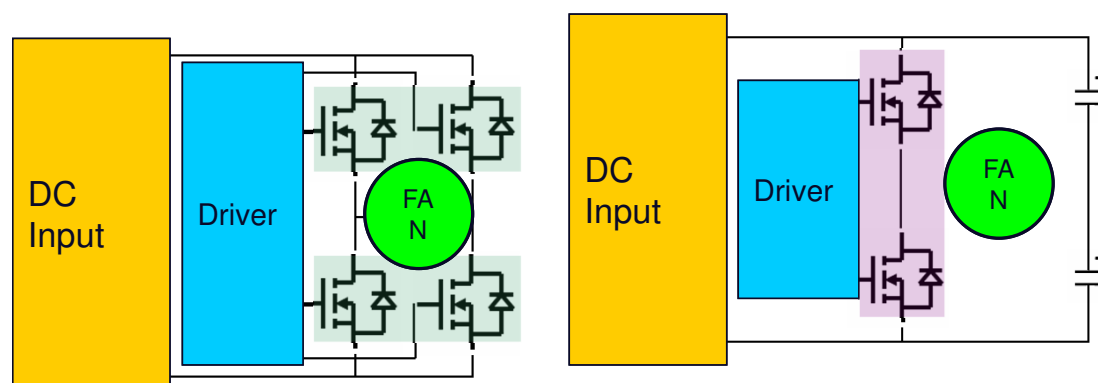
Auto

- Air system
- Wiper
- Power window
- Wireless Charger



Air system

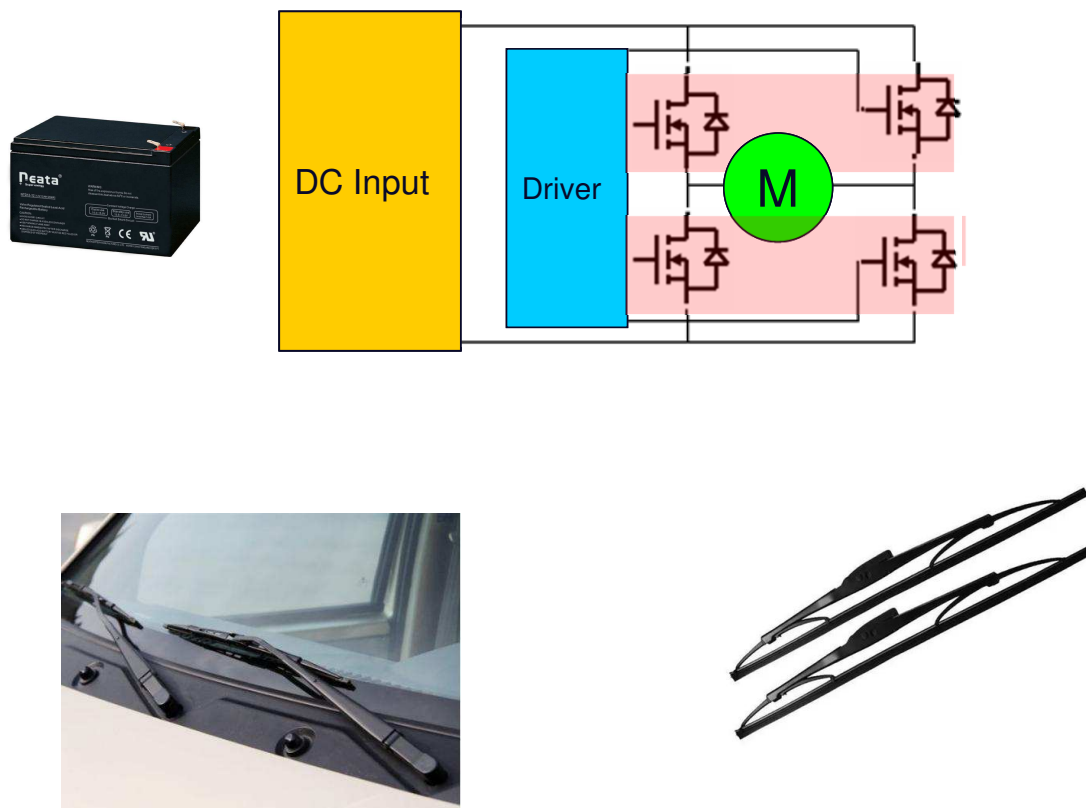
FAN



20V-40V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTV100N02A	DFN2X2-6L	20	10
JMTJ100N02A	SOT-23-3L	20	8
JMTK100N02A	TO-252-4R	20	30
JMTL2312A	SOT-23	20	6.8
JMTP3010D	SOP-8	30	12
JMTQ3010D	PDFN3.3X3.3-8L	30	22
JMTP260N03D	SOP-8	30	8
JMTL3400A	SOT-23	30	5.8
JMTJ3400A	SOT-23-3L	30	5.8
JMTP130N04A	SOP-8	40	10
JMTM170N04A	SOT-23-6L	40	8

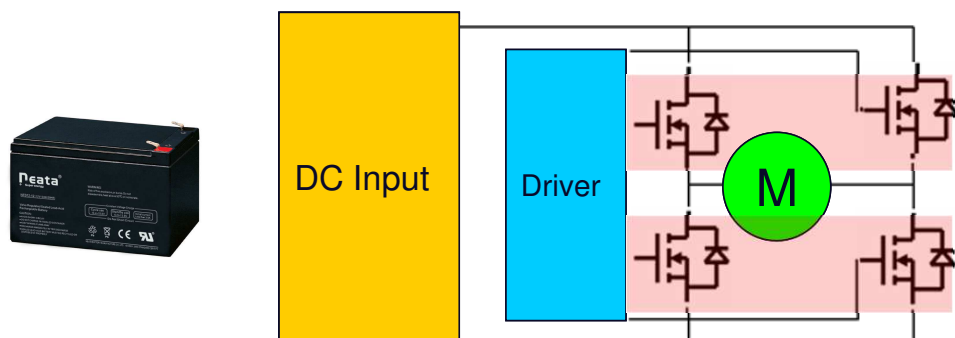
Wiper



20V-30V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTV100N02A	DFN2X2-6L	20	10
JMTJ100N02A	SOT-23-3L	20	8
JMTK100N02A	TO-252-4R	20	30
JMTL2312A	SOT-23	20	6.8
JMTP4406A	SOP-8	30	13
JMTP3010D	SOP-8	30	12
JMTQ3010D	PDFN3.3X3.3-8L	30	22
JMTP260N03D	SOP-8	30	8
JMTL3400A	SOT-23	30	5.8
JMTJ3400A	SOT-23-3L	30	5.8

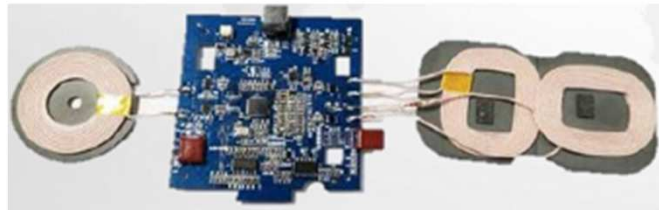
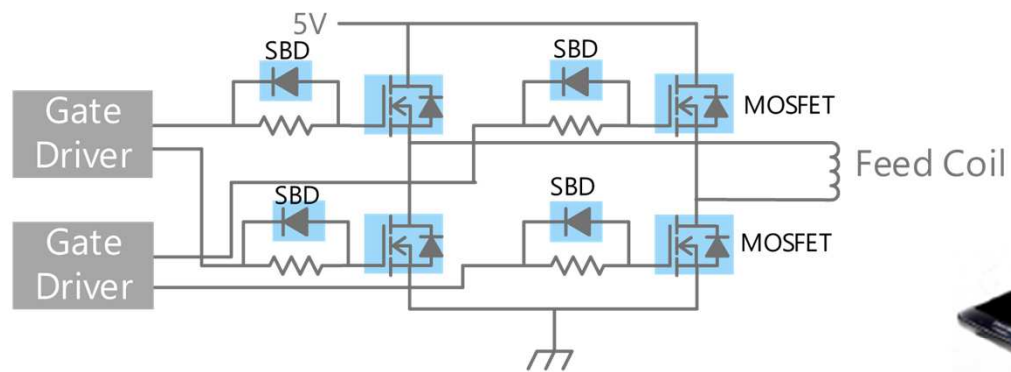
Power window



20V-30V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTV100N02A	DFN2X2-6L	20	10
JMTJ100N02A	SOT-23-3L	20	8
JMTK100N02A	TO-252-4R	20	30
JMTL2312A	SOT-23	20	6.8
JMTP4406A	SOP-8	30	13
JMTP3010D	SOP-8	30	12
JMTQ3010D	PDFN3.3X3.3-8L	30	22
JMTP260N03D	SOP-8	30	8
JMTL3400A	SOT-23	30	5.8
JMTJ3400A	SOT-23-3L	30	5.8

Wireless Charger



20-40V Nch MOSFET

Product Name	Package	Vds(V)	ID(A)
JMTV100N02A	DFN2X2-6L	20	10
JMTJ100N02A	SOT-23-3L	20	8
JMTK100N02A	TO-252-4R	20	30
JMTP9926A	SOP-8	20	6.5
JMTL2312A	SOT-23	20	6.8
JMTP9926B	SOP-8	20	6
JMTL3404A	SOT-23	30	5.8
JMTP260N03D	SOP-8	30	8
JMTL3400A	SOT-23	30	5.8
JMTJ3400A	SOT-23-3L	30	5.8
JMTP130N04A	SOP-8	40	10
JMTM170N04A	SOT-23-6L	40	8
JMTP400N04A	SOP-8	40	6
JMTL400N04A	SOT-23	40	5

Thanks !



前景可待，未来可期.....