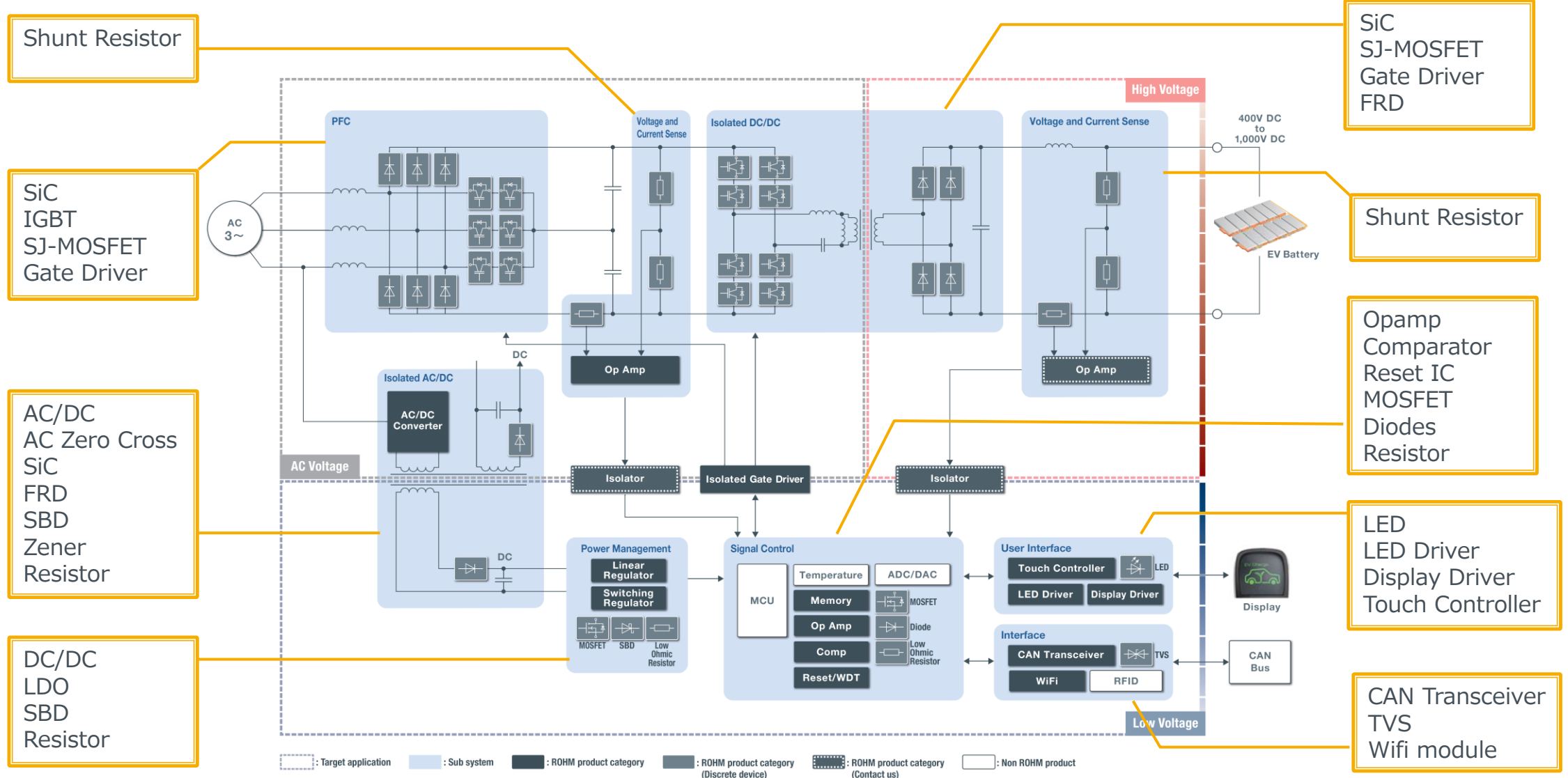


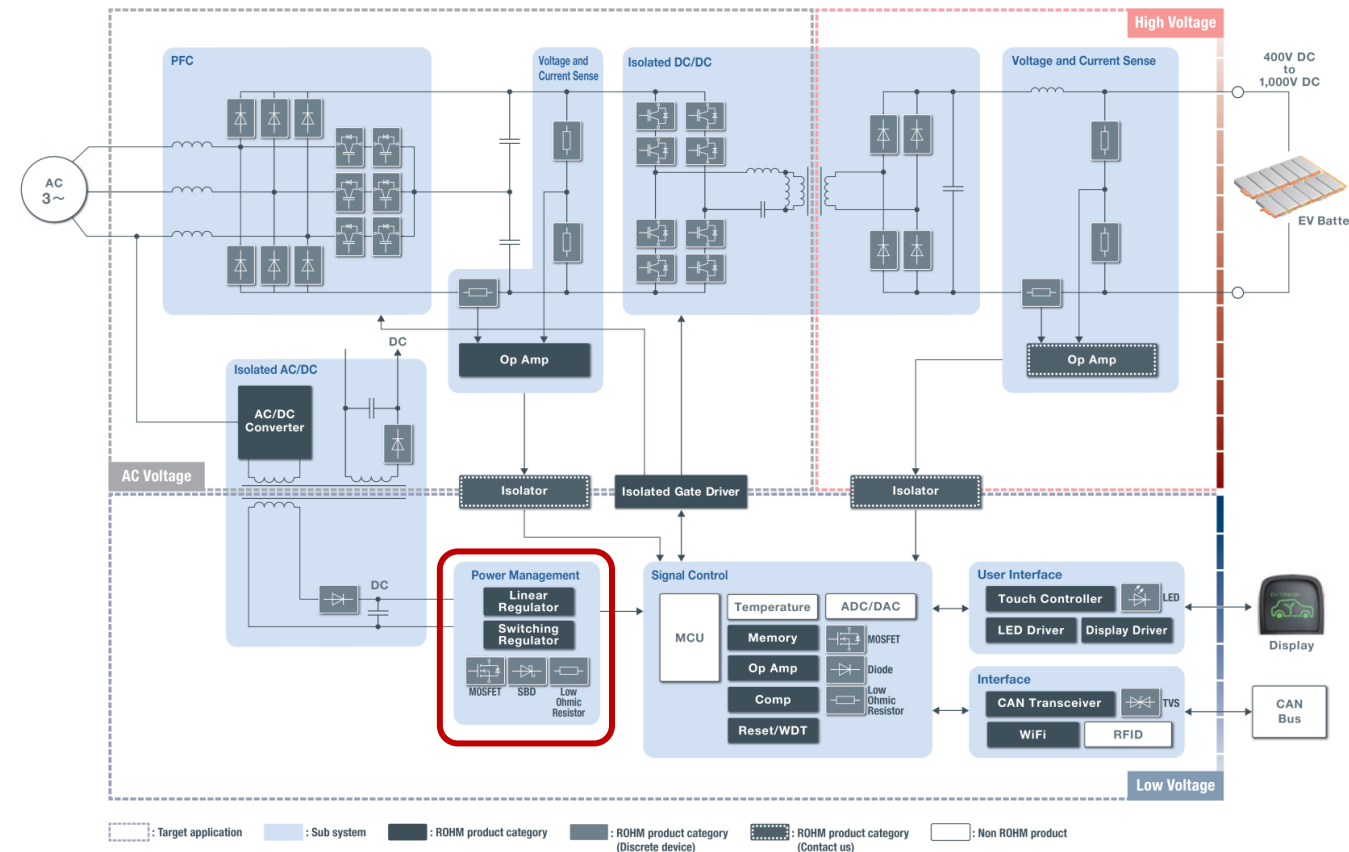


xEV 充電ステーション向け おすすめ製品

2021年4月
システムソリューションエンジニアリング本部
ソリューションエンジニアリング課

xEV Charging Station -Summary of Recommended Products





Power Management Block

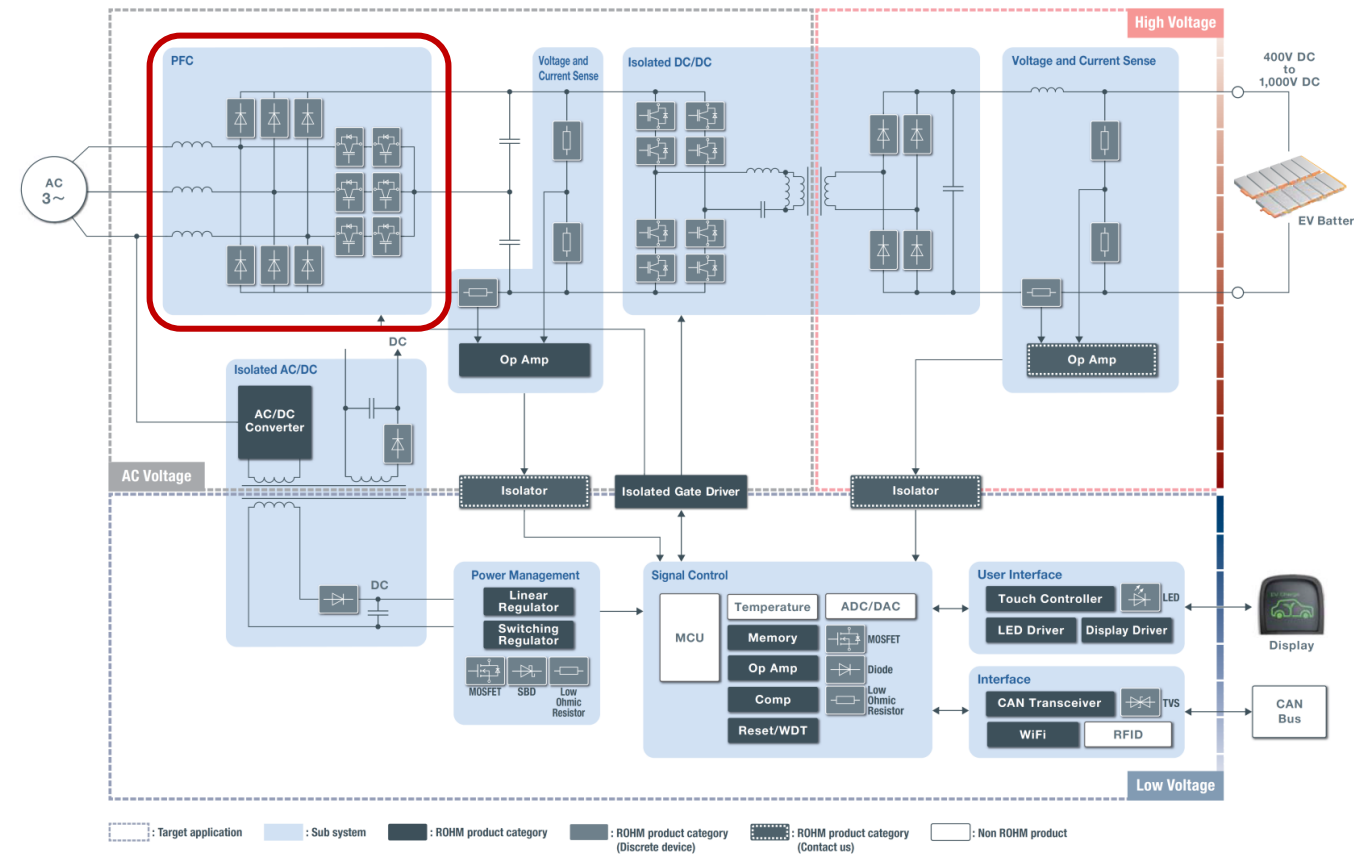
安心の定格80V DC/DCコンバータや、セカンダリDC/DC、LDOなど電源ツリーを構成する電源LSIラインアップ

Category	Product No	feature
DC/DC	BD9G500EFJ-LA	80V rating, 5A Stepdown DC/DC
DC/DC	BD9G341AEFJ-LB	80V rating, 3A Stepdown DC/DC
DC/DC	BD9Exxx -LB Series	48V rating, Stepdown DC/DC Series
DC/DC	BD9Ax01 -LB Series	2.7 to 5.5V, 1A/3A DC/DC
DC/DC	BD9A201FP4-LBZ	5.5V 2A, small size *Under development
LDO	BDxxGxxMEFJ-LB	Vin=14V 0.3A/0.5A/1A LDO
LDO	BDxxHxxMEFJ-LB	Vin=8V 0.3A/0.5A/1A LDO
LDO	BDxxIxxMEFJ-LB	Vin=5.5V 0.5A/1A LDO

SBDや抵抗など、DC/DCコンバータ周辺部品

Category	Product No	feature
SBD	RB Series	>10A SBD
Resistor	MCR03 Series	1608 size

xEV Charging Station -Recommended Products



PFC block For Vienna Topology

Category	Product No	feature
SiC SBD	SCS2xxxK Series	1200V SiC-SBD
SiC MOSFET	SCT3xxxAx Series	650V SiC-MOSFET
SJ-MOSFET	R65xxKNx	650V
IGBT	RGWxxTS65D	650V Hybrid-IGBT
Gate Driver	BM61xx Series	

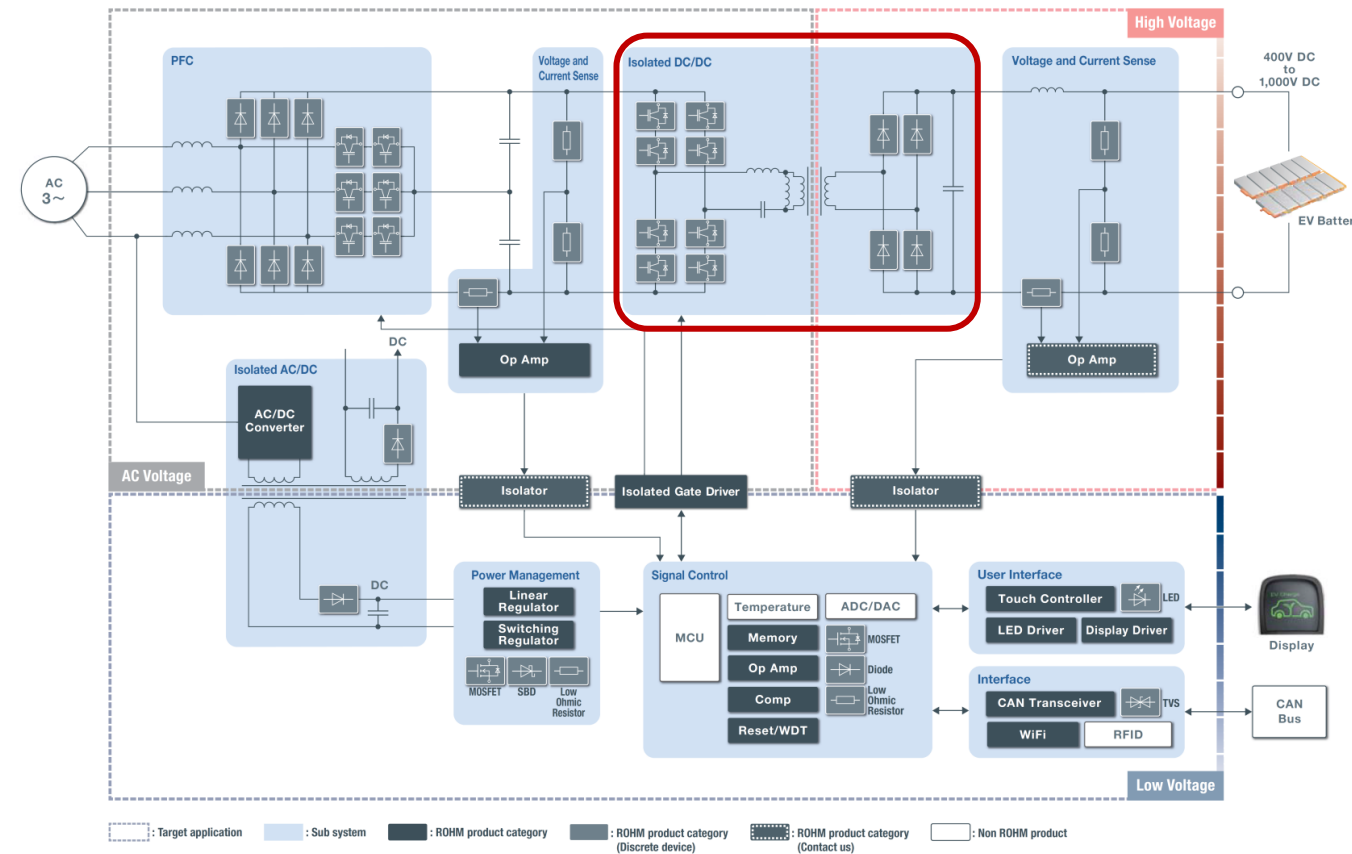
Bi-directional 3phase B6-PFC (<20kW)

Category	Product No	feature
SiC MOSFET	SCT3xxxKx	1200V (17 – 95A)
IGBT	RGSxxTSX2	1200V
Gate Driver	BM61xx Series	

Bi-directional 3phase B6-PFC (>20kW)

Category	Product No	feature
SiC Module	BSMxxD1xPx C /E/ G	1200V/1700V Half Bridge Module
Gate Driver	BM61xx Series	

xEV Charging Station - Recommended Products



DC/DC block

For 2-stage LLC Converter

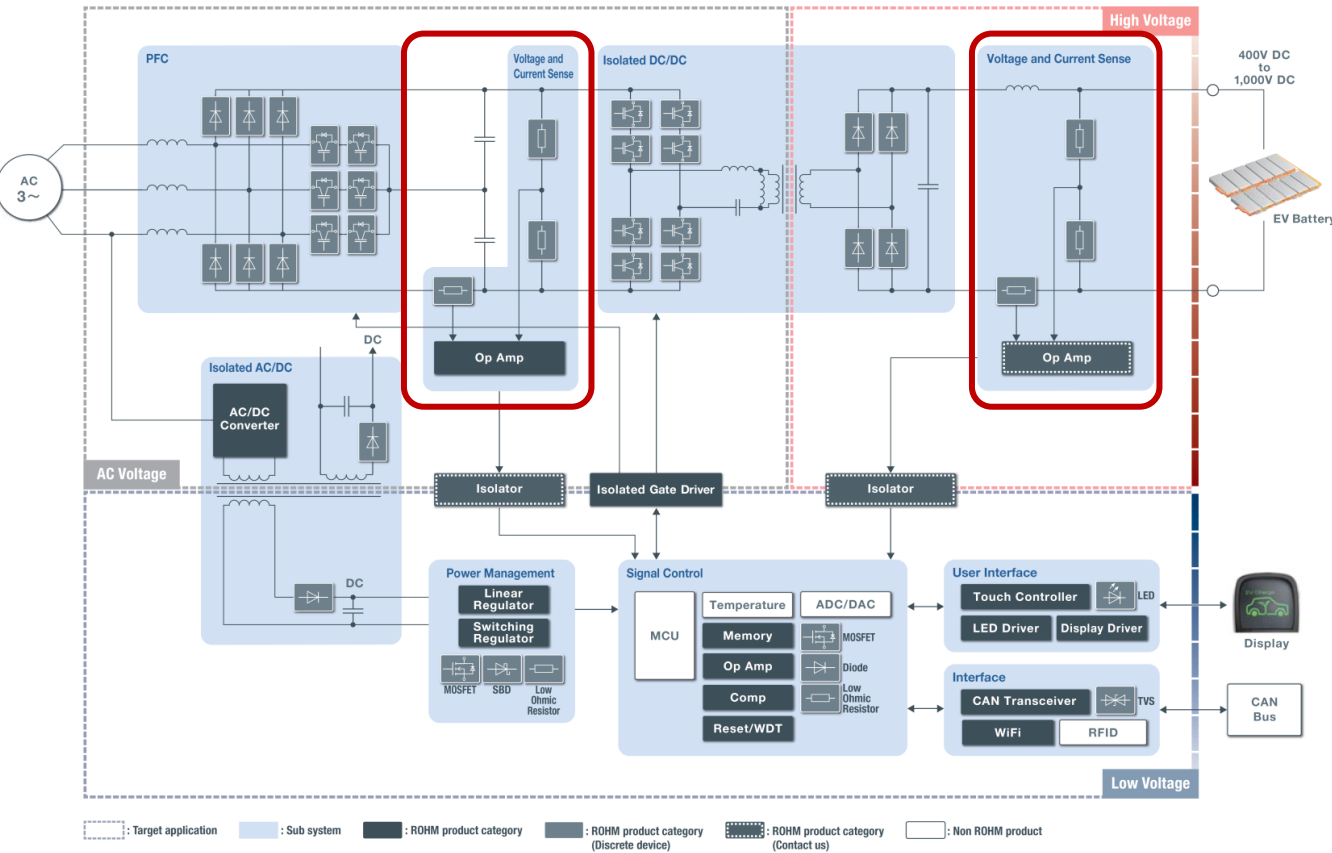
Category	Product No	feature
SJ-MOSFET	R60xxJNZ4 Series	600V SJ-MOSFET
SiC MOSFET	SCT3xxxAx Series	650V SiC MOSFET
Gate Driver	BM61xx Series	
SiC SBD	SCS3xxA Series	650V (5 – 20A)
SiC SBD	SCS2xxAE2	650V (15 – 40A)
Si-FRD	RFSxxTZ6S	650V High speed type <small>*Under Development</small>
Si-FRD	RFLxxTZ6S	650V Low Vth type <small>*Under Development</small>

For High voltage Single LLC Converter

Category	Product No	feature
SiC MOSFET	SCT3xxxK Series	1200V (17 – 95A)
Gate Driver	BM61xx Series	
SiC SBD	SCS2xxK Series	1200V (5 – 40A)

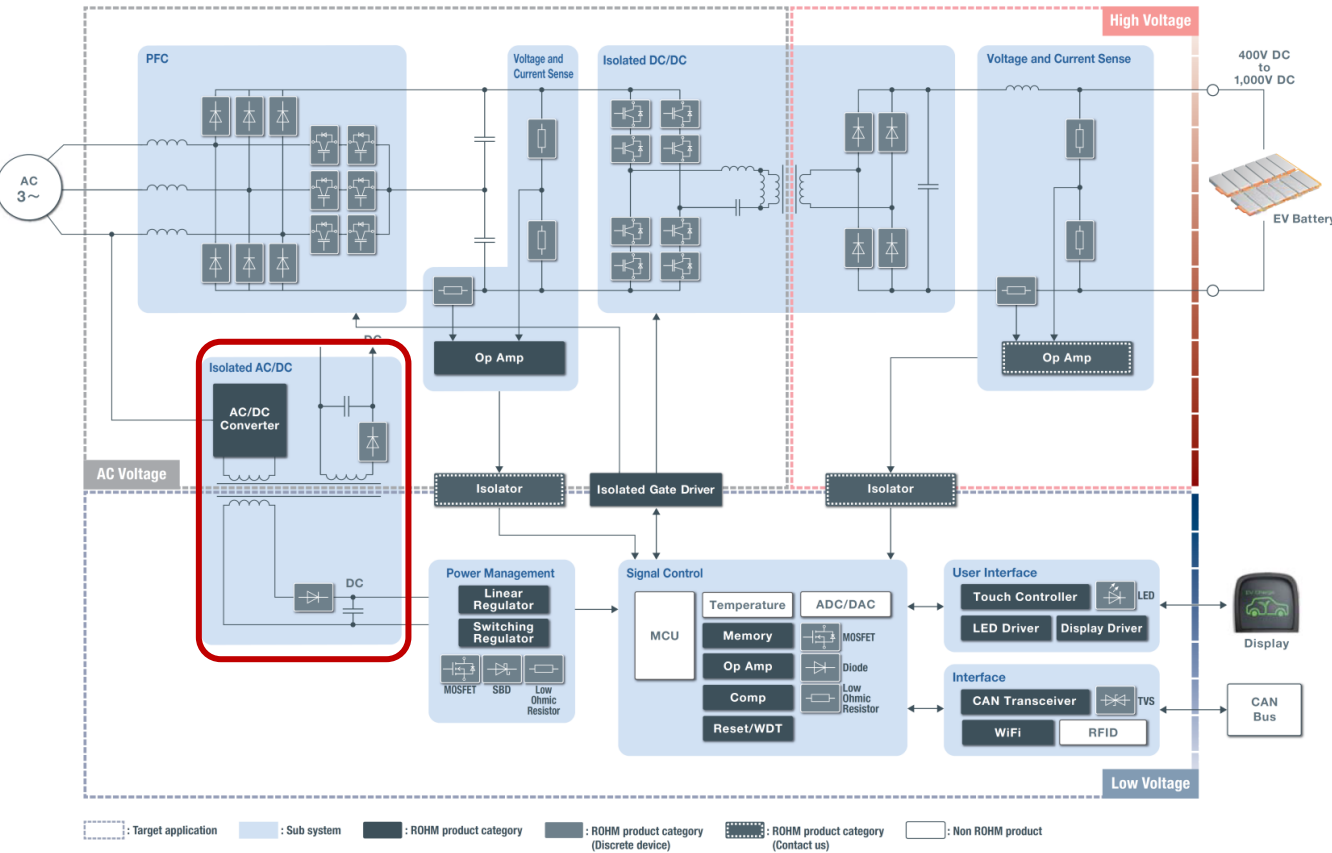
Isolated Bi-directional DC/DC

Category	Product No	feature
SiC Module	BSMxxD1xPx C /E/ G	1200V/1700V Half Bridge Module
Gate Driver	BM61xx Series	



Current & Voltage sense block

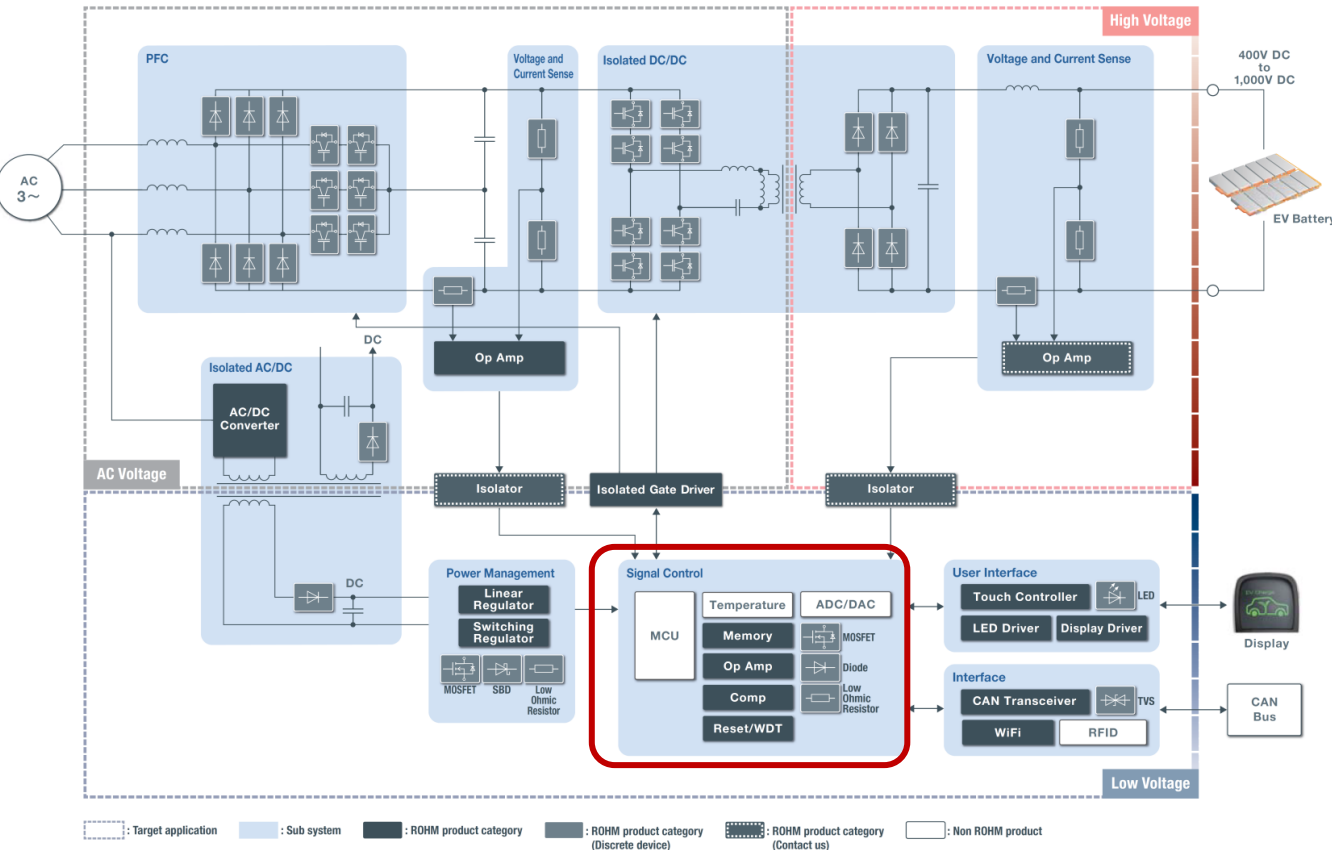
Category	Product No	feature
Shunt Res.	PSR Series	High power, low ohmic
Shunt Res.	PMR Series	High power
Opamp	Contact Us	



Isolated AC/DC block

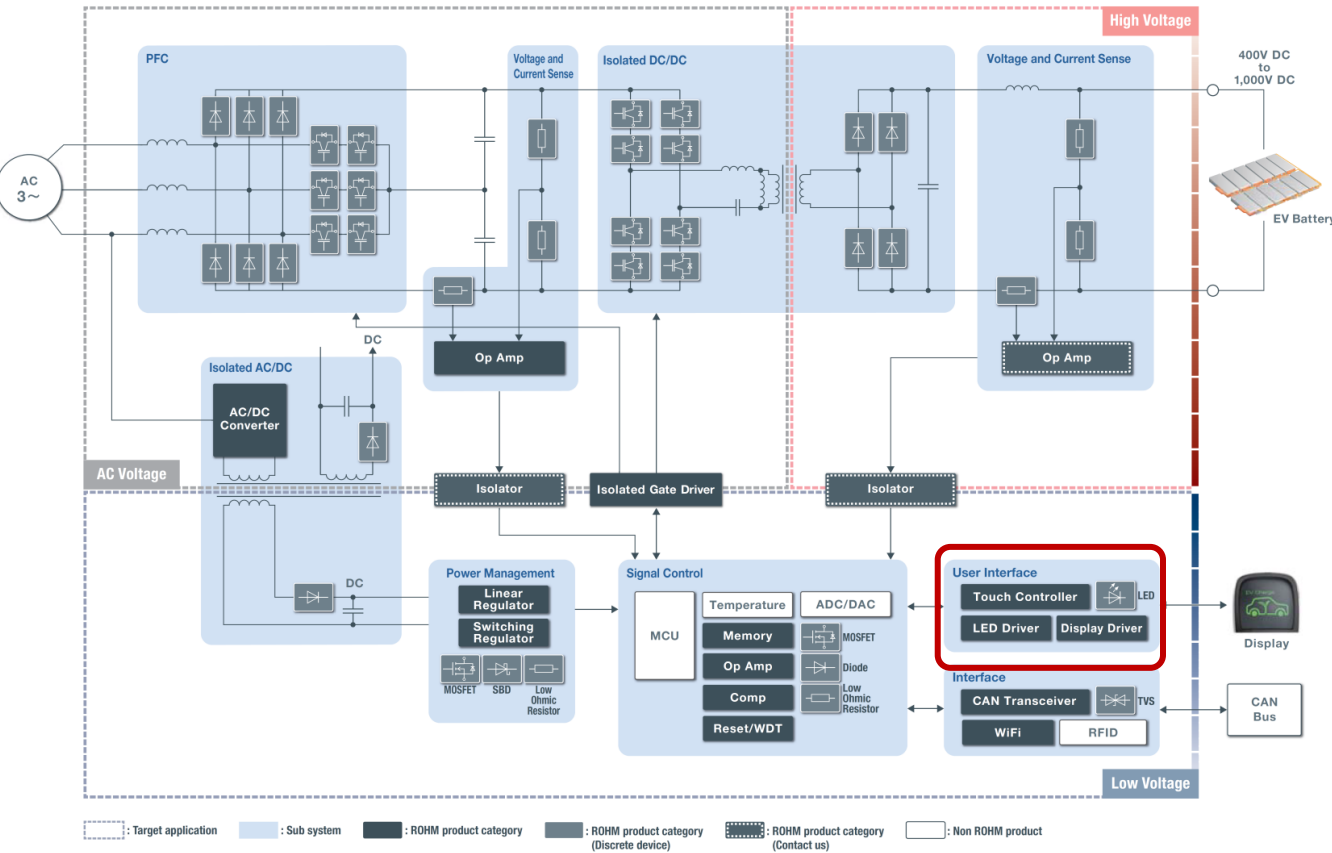
Category	Product No	feature
AC/DC	BD768xFJ-LB	Controller type
AC/DC	BM2SCQ12xT-LBZ	1700V SiC integrated
Zero Cross	BM1ZxxFJ Series	AC Zero Cross detector
SiC MOSFET	SCT2xxxN Series	1700V
Si-FRD	RFL Series	650V Low Vth type *Under Development
SBD	RB Series	
Zener	KDZV Series	
Resistor	Resistors	

xEV Charging Station -Recommended Products



Standard Parts

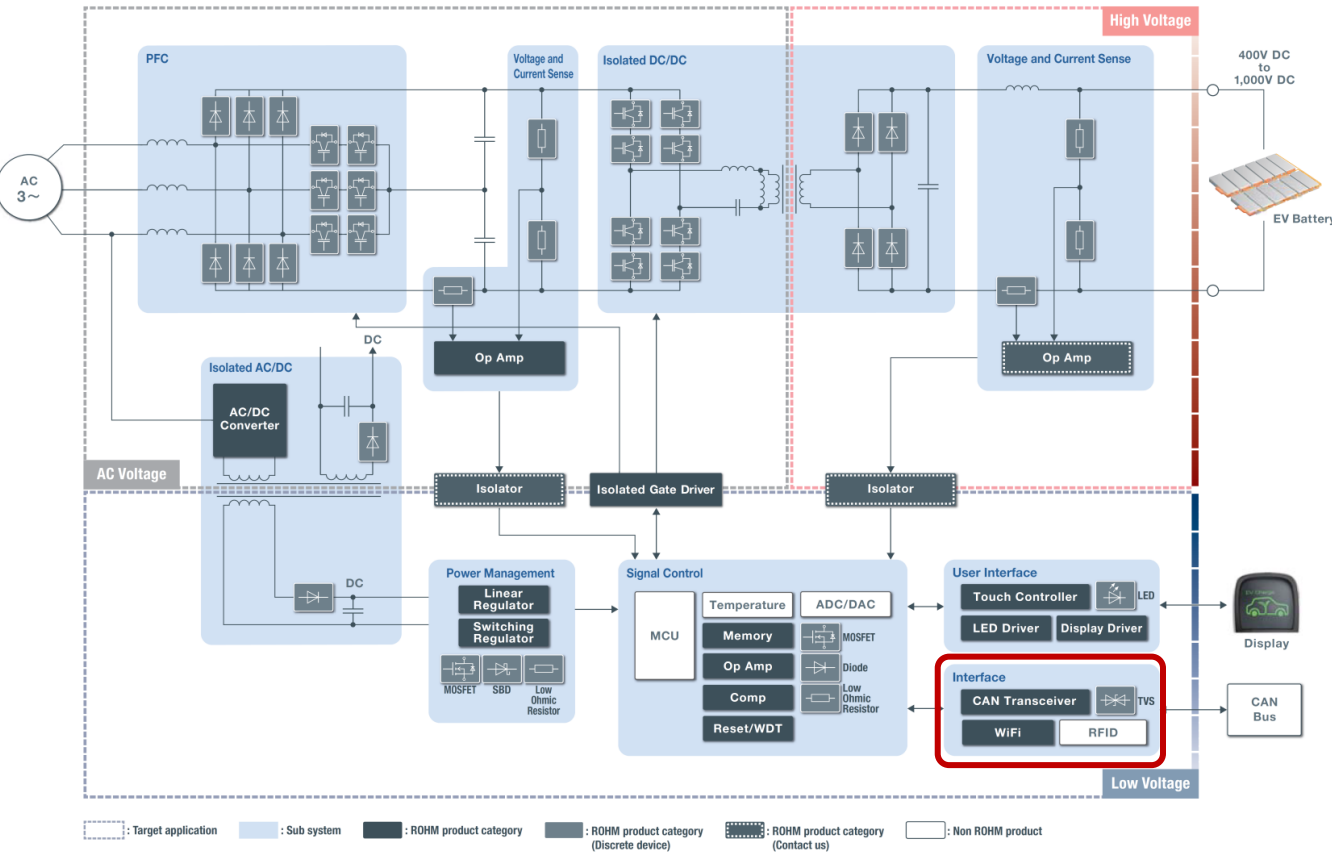
Category	Product No	feature
Opamp	EMARMOUR® Series	Ultra low EMI
	LMR1xxx	High accuracy
Comparator	EMARMOUR® Series	Ultra low EMI
Reset IC	Reset IC	
MOSFET	12Vto150V MOSFET	
Diode	Diodes	
Resistor	Resistors	



User Interface block

Category	Product No	feature
LED	SML / CSL Series	
LED Driver	Boost Series	For LCD backlight
Display Driver	Lapis	
Touch Controller	BU210xx Series	

xEV Charging Station -Recommended Products



Interface block

Category	Product No	feature
CAN Transceiver	BD4104x Series	(Automotive grade)
TVS	RES1CANY	
Wifi Module	BP35xx	

回路設計・基板設計で必要となる様々な環境（ツール）/ライブラリ/ドキュメントをWebサイトに公開。
製品ページ >> ドキュメント / モデルとツール / 評価ボード など。

