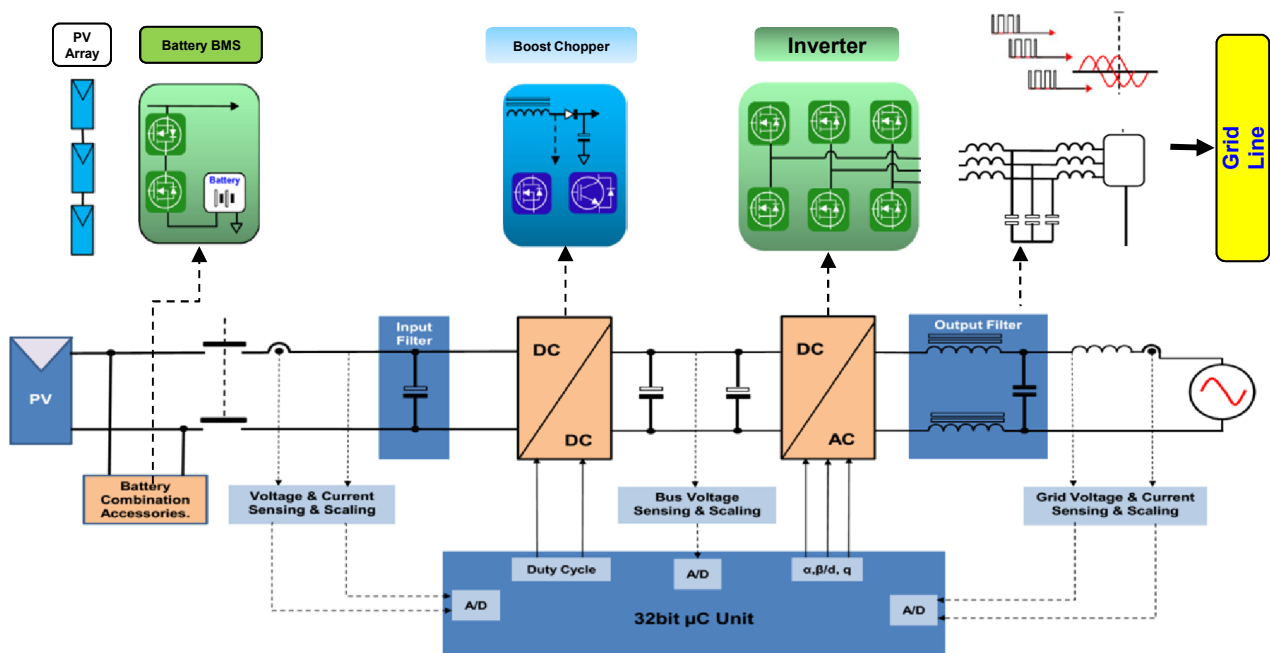


Photovoltaic



Recommended Products

Application Note	Type	Model	Package	BVDSS (V) Min.	ID (A) Max.	VTH (V) Min.	RDS(ON) m Ω	
							Typ.	Max.
Battery BMS	M/L MOSFET	LH240N06	DFN5*6 / TO-263	60	240	2.0	1.25	1.5
		LH180N08	DFN5*6 / TO-263	80	180	2.0	2.0	2.3
		LH240N100	TO-247 / TOLL	100	240	2.0	2.1	2.5
		LH310N100	TO-263 / TOLL	100	310	2.0	1.3	1.8

Application Note	Type	Model	Package	VRRM (V) Min.	IF (A) 100°C Max.	VF (V) 25°C Typ.
Boost Chopper (Diode)	FRED	LHF60U120	TO-247-2	1200	60.0	2.8
		LH75U120	TO-247-2	1200	75.0	3.5
	SiC Diode	LHC30A120	TO-247-3	1200	30.0	1.4
		LHC40A120	TO-247-2	1200	40.0	1.5
		LHC20A170	TO-247-2	1700	20.0	--

Application Note	Type	Model	Package	VCES (V) Min.	IC (A) max 100°C	VCE(SAT) (V) typ.	Anti-Parallel Diode
							trr (nS)
Boost / Inverter (IGBT)	IGBT	LHG25T120T2SD	TO-247	1200	25.0	2.00	75.0
		LHG40T120T2SD	TO-247	1200	40.0	1.90	80.0
		LHG50T120PHD	TO-247-PLUS	1200	50.0	1.90	50.0
		LHG75T120TPMD	TO-247-PLUS	1200	75.0	1.85	85.0
		LHG20T135T2SD	TO-247	1350	20.0	2.00	50.0
		LHG25T135T2SD	TO-247	1350	25.0	2.00	75.0

Application Note	Type	Model	Package	BVDSS (V) Min.	ID (A) Max.	VTH (V) Min.	RDS(ON) m Ω	
							Typ.	Max.
Boost / Inverter (SiC)	SiC MOSFET	LHC120R080	TO-247 / TO-247-4	1200	36.0	2.0	68.0	80.0
		LHC120R040	TO-247 / TO-247-4	1200	65.0	2.0	30.0	40.0
		LHC120R020	TO-247 / TO-247-4	1200	120.0	2.0	15.0	25.0