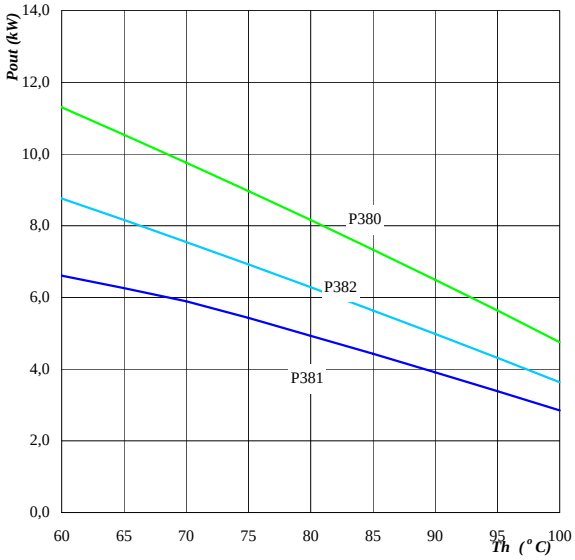
Output inverter selection quide

Phase shifted ZVS, Vgeon= 15 V Vgeoff=0V

Figure 1. Typical available electric peak output power as a function of heatsink temperature

Inverter Pout=f(Th)

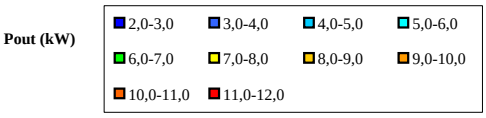


Conditions: Tj=125C

Ioutpk/Iout= 1,3 DC link= 320 V

Phaseshift= 1

Switching frequency fsw= 40 kHz



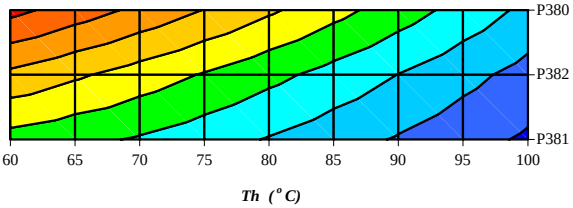
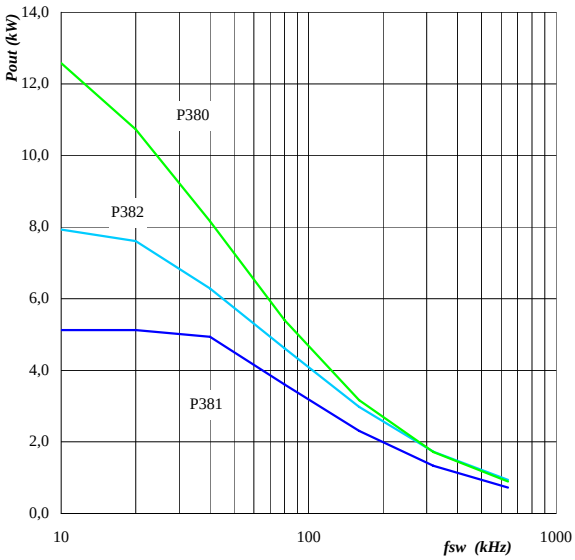


Figure 2. Typical available electric peak output power as a function of switching frequency

Inverter Pout=f(fsw)

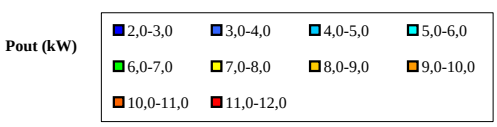


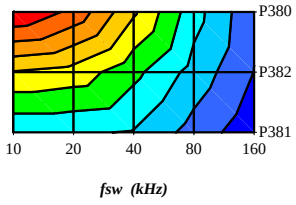
Conditions: Tj=125C

Ioutpk/Iout= 1,3 DC link= 320 V

Phaseshift= 1

Th= 80 °C





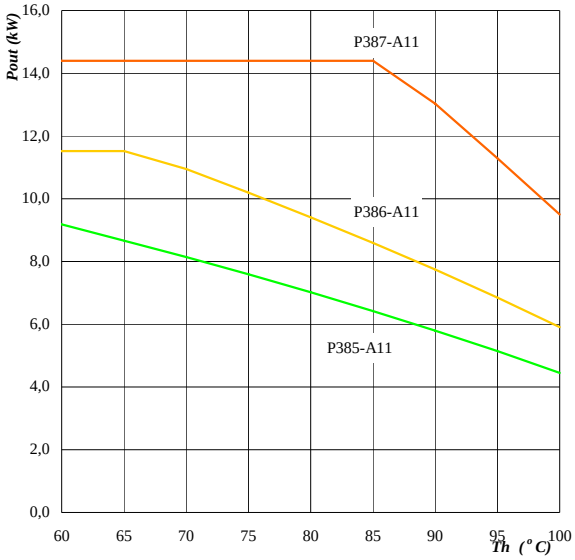
Module type	P381	Rgon= 12 ohms	Rgoff= 2 ohms
	P382	6	1
	P380	4	1

Output inverter selection quide

Phase shifted ZVS, Vgeon= 15 V Vgeoff=0V

Figure 3. Typical available electric peak output power as a function of heatsink temperature

Inverter Pout=f(Th)

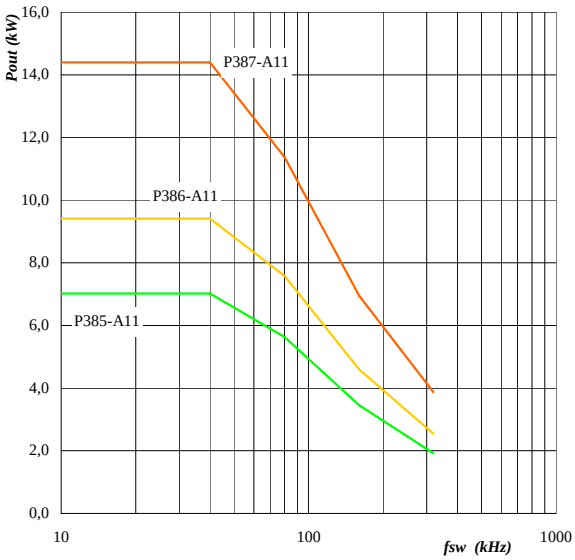


Conditions: Tj=125C
Ioutpk/Iout= 1,3 DC link= 320 V
Phaseshift= 1

Switching frequency fsw= 40 kHz

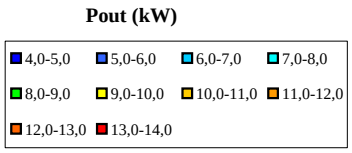
Figure 4. Typical available electric peak output power as a function of switching frequency

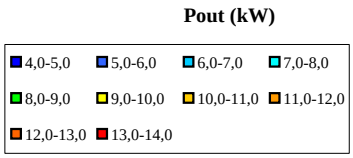
Inverter Pout=f(fsw)

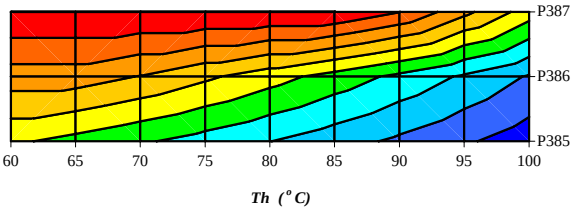


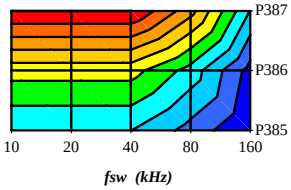
Conditions: Tj=125C
Ioutpk/Iout= 1,3 DC link= 320 V
Phaseshift= 1

Th= 80 °C









Module type	P385	A11	Rgon=	6	ohms	Rgoff= 1 ohms
	P386	A11		6		1
	P387	A11		6		1