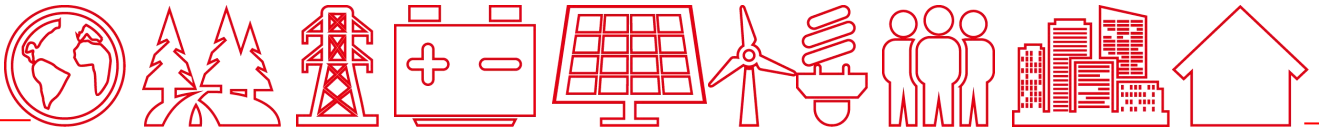




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SPI125K-B Output impedance data

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1. Purpose: To test the impedance of the inverter at 175 Hz
- 2, The test machine SPI125K-B
- 3, The test method: set the fundamental wave at 230V/50Hz, harmonic at 5V/175Hz in AC SOURCE. FFT decomposition of the measured voltage and current waveform, test the current I_z and voltage V_z under 175H, then the impedance of the inverter is $Z_o = V_z/I_z$

一、目的：测试逆变器在175Hz 下的阻抗

二、测试机器SPI125K-B

三、测试方法：在AC SOURCE 中设置基波230V/50Hz,谐波5V/175Hz，对测得的电压电流波形进行FFT 分解，测试175H 下的电流 I_z 和电压 V_z ，则逆变器的阻抗 $Z_o=V_z/I_z$

四、测试数据并计算

P (kW)	dBV	dBA	Z (Ω)	R175Hz(Ω)	X175Hz(Ω)
12.5	12.2328	0.458809	3.87881932	0.2024	-3.87353502
25	12.3118	1.4295	3.50037844	0.1987	-3.494734256
37.5	12.3237	1.81801	3.35184942	0.1878	-3.346584183
50	12.3325	2.30832	3.17109315	0.2074	-3.164303561
62.5	12.3288	2.62172	3.05741224	0.1908	-3.051452928
75	12.3428	2.83945	2.98653425	0.1881	-2.980604843
87.5	12.3511	3.0807	2.90750185	0.1835	-2.901705493
100	12.3558	3.23558	2.85766292	0.1912	-2.85125936
112.5	12.3641	3.28575	2.84392082	0.2688	-2.831189179
125	12.3327	3.36361	2.80837113	0.261	-2.796216624



- END -

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