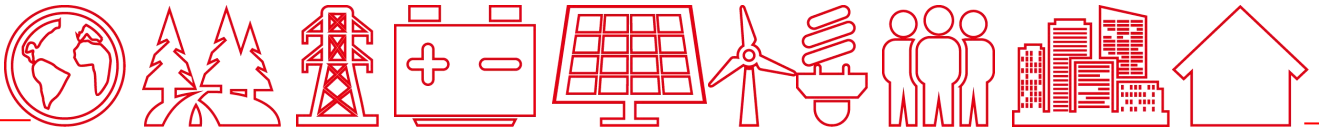




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SPI250K-B Output impedance data

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1. Purpose: To test the impedance of the inverter at 175 Hz
- 2, The test machine SPI250K-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SPI250K-B

三、测试方法：在AC SOURCE 中设置基波462V/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)
25	10.1118	0.652009	2.97159453	0.1601	-2.967278556
50	10.1908	1.6227	2.68166794	0.1564	-2.677103282
75	10.2027	2.01121	2.56787867	0.1455	-2.563753229
100	10.2115	2.50152	2.42939985	0.1651	-2.423783326
125	10.2078	2.81492	2.34230799	0.1485	-2.337595875
150	10.2218	3.03265	2.2880078	0.1458	-2.283357623
175	10.2301	3.2739	2.22746044	0.1412	-2.222980562
200	10.2348	3.42878	2.18927844	0.1489	-2.184208981
225	10.2431	3.47895	2.1787505	0.2265	-2.166945199
250	10.2117	3.55681	2.1515156	0.2187	-2.140371393



- END -

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