

# Samil Power Co., Ltd

## SR1100TL Harmonic Testing report

Model of Inverters: Solar River 1100TL

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42	0.006	0.003
43	0.005	0.002
44	0.010	0.004
45	0.005	0.002
46	0.006	0.003
47	0.007	0.003
48	0.007	0.003
49	0.009	0.004
50	0.012	0.005

Normal Mode      Uover: ■■■■      PLL Source: U1      YOKOGAWA ◆  
Iover: ■■■■      Integ:Reset

change items

		Or.	I1 [A]	hdf[%]	Or.	I1 [A]	hdf[%]
PLL	U1		4.4048		dc	-0.0050	-0.113
Freq	50.001 Hz	1	4.3994	99.979	2	0.0321	0.729
Urms1	230.504 V	3	0.0467	1.062	4	0.0120	0.273
Irms1	4.4048 A	5	0.0304	0.692	6	0.0075	0.171
P1	1.0102kW	7	0.0187	0.426	8	0.0057	0.129
S1	1.0153kVA	9	0.0182	0.414	10	0.0047	0.106
Q1	0.1015kvar	11	0.0204	0.464	12	0.0050	0.115
λ1	0.99499	13	0.0145	0.329	14	0.0070	0.160
φ1	G 5.736 °	15	0.0152	0.345	16	0.0062	0.141
Uthd1	0.040 %	17	0.0191	0.433	18	0.0035	0.079
Ithd1	2.062 %	19	0.0220	0.501	20	0.0071	0.161
Pthd1	0.000 %	21	0.0154	0.351	22	0.0048	0.108
Uthf1	0.028 %	23	0.0120	0.272	24	0.0008	0.019
Ithf1	1.621 %	25	0.0172	0.391	26	0.0017	0.038
Utif1	1.284	27	0.0132	0.301	28	0.0032	0.072
Itif1	63.011	29	0.0096	0.218	30	0.0044	0.100
		31	0.0047	0.108	32	0.0008	0.017
		33	0.0073	0.166	34	0.0031	0.070
		35	0.0036	0.081	36	0.0024	0.054
		37	0.0055	0.126	38	0.0017	0.038
		39	0.0036	0.083	40	0.0007	0.015

Element1  
U1 600Vrms  
I1 30Arms

Element2  
U2 600Vrms  
I2 30Arms

Element3  
U3 600Vrms  
I3 30Arms

Element4  
U4 1000Vrms  
I4 20Arms

Integ:Reset  
Time  
-----:---:---  
Timer  
0:01:00

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Normal Mode

Uover: ■■■■  
Iover: ■■■■

PLL Source: U1  
Integ:Reset

U1 YOKOGAWA ◆

change items

PLL U1  
 Freq 50.001 Hz  
 Urms1 230.504 V  
 Irms1 4.4048 A  
 P1 1.0102kW  
 S1 1.0153kVA  
 Q1 0.1015kvar  
 λ1 0.99499  
 φ1 G 5.736 °  
 Uthd1 0.040 %  
 Ithd1 2.062 %  
 Pthd1 0.000 %  
 Uthf1 0.028 %  
 Ithf1 1.621 %  
 Utif1 1.284  
 Itif1 63.011

Or.	U1 [V]	hdf[%]	Or.	U1 [V]	hdf[%]
	230.504		dc	0.021	0.009
41	0.003	0.001	42	0.006	0.003
43	0.005	0.002	44	0.010	0.004
45	0.005	0.002	46	0.006	0.003
47	0.007	0.003	48	0.007	0.003
49	0.009	0.004	50	0.012	0.005
51	-----	-----	52	-----	-----
53	-----	-----	54	-----	-----
55	-----	-----	56	-----	-----
57	-----	-----	58	-----	-----
59	-----	-----	60	-----	-----
61	-----	-----	62	-----	-----
63	-----	-----	64	-----	-----
65	-----	-----	66	-----	-----
67	-----	-----	68	-----	-----
69	-----	-----	70	-----	-----
71	-----	-----	72	-----	-----
73	-----	-----	74	-----	-----
75	-----	-----	76	-----	-----
77	-----	-----	78	-----	-----
79	-----	-----	80	-----	-----

Element1  
 U1 600Vrms  
 I1 30Arms

Element2  
 U2 600Vrms  
 I2 30Arms

Element3  
 U3 600Vrms  
 I3 30Arms

Element4  
 U4 1000Vrms  
 I4 20Arms

Integ:Reset  
 Time  
 -----:---  
 Timer  
 0:01:00

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