SolarTech Ltd.
Providing Energy for Today, Protecting the Environment for Tomorrow

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SOLARTECH PROJECT NUMBER	6310
SOLARTECH PROJECT NAME	BICESTER ECO TOWN - PHASE 1
DATE	2.3.15
VERSION NUMBER	10

								SIMAX 250	INVERTER													INVERTER MAX OUTPUT						DC ISOLATOR					SOLARTECH DRAWINGS			
PLOT	IN-ROOF / ON-ROOF / FLAT ROOF	MODULE PITCH - DEVIATION FROM HORIZONTAL	MODULE ORIENTATION - DEVIATION FROM SOUTH	REQUIRED KWP		PROPOSED KWP	250	SAMIL SR-2100TL-S	SAMIL SR-3300TL	SAMIL SR-4000TL-D	SAMIL SR-5200TL	SAMIL SR-5200TL-D	SAMIL SR-6000TL-D	SAMIL SL-5500TL-PM	SAMIL SL-8500TL-PM							SINGLE / 3 PHASE	TOTAL INVERTER MAX AC POWER (kWp)	TOTAL MAX AC CURRENT (A)	POWER FACTOR	DECLARED NET CAPACITY (kW)	STRING DESIGN	SANTON SILIOS D1-G	SANTON SILIOS D14-G	PV MODULES INSTALLED	INVERTER INSTALLED	DC INSTALLED	COMMISSIONED	ROOF LAYOUT	INVERTER SPACE	PV SCHEMATIC	PV SOL STUDY ID	
ENERGY CENTRE	FLAT-ROOF	10	22	22		6.5	26						1									3	5.50	8.0	1	5.5	INPUT 1: 1X15, INPUT 2: 1X15		1							10-22-6.5	
						9.75	39							1	1							3	8.50	12.3	1	9.75	INPUT 1: 1X22, INPUT 2: 1X22		1								
						6.5	26						1									3	5.50	8.0	1	5.5	INPUT 1: 1X14, INPUT 2: 1X14		1				6310-1048		6310-1050		
292	IN-ROOF	22	22	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1016		6310-1062	22-22-7	
301	IN-ROOF	40	16	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1017		6310-1054	40-16-3	
302	IN-ROOF	40	16	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1017		6310-1054	40-16-3	
303	ON-ROOF	40	16	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1018		6310-1054	40-16-3	
304	ON-ROOF	40	16	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1018		6310-1054	40-16-3	
305	ON-ROOF	40	16	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1019		6310-1054	40-16-3	
306	ON-ROOF	40	16	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1019		6310-1054	40-16-3	
307	IN-ROOF	40	11	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1020		6310-1062	40-11-7	
308	ON-ROOF	40	22	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1021		6310-1062	40-22-7	
309	IN-ROOF	40	29	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1020		6310-1062	40-29-7	
310	IN-ROOF	40	-10	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1020		6310-1062	40--10-7	
311	ON-ROOF	40	14	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1021		6310-1062	40-14-7	
312	IN-ROOF	40	37	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1042		6310-1062	40-37-7	
313	IN-ROOF	40	0	5.75		5.25	21						1									1	5.75	25.0	1	5.75	INPUT 1: 1X11, INPUT 2: 1X10		1							40-0-5.25	ALL DETAILS TBC FOR PLOT 313
314	IN-ROOF	40	92	5.75		5.75	23						1									1	5.75	25.0	1	5.75	INPUT 1: 1X12, INPUT 2: 1X11		1				6310-1043		6310-1060	40-92-5.75	
315	IN-ROOF	40	3			0.00																														40-3-0	
316	IN-ROOF	40	3			0.00																														40-3-0	
317	IN-ROOF	40	3	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1041		6310-1054	40-3-3	
318	IN-ROOF	40	3	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1041		6310-1054	40-3-3	
319	IN-ROOF	40	3			0.00																														40-3-0	
320		10	22			4.75	19					1										1	5.00	24.0	1	4.75	INPUT 1: 1x10, INPUT 2: 1x9		1							10-22-4.75	
321						4.5	18				1											1	5.00	24.0	1	4.5	2X9		1							--4.5	
322	FLAT-ROOF																																				--	
323					8																																--	
324																																					--	
325																																		6310-1044		6310-1064	--	
326	IN-ROOF	45	22	3		3.50	14			1												1	3.68	16.0	1	3.5	INPUT 1: 1X7, INPUT 2: 1X7		1				6310-1023		6310-1056	45-22-3.5	
327	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1023		6310-1052	45-22-2	
328	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1023		6310-1052	45-22-2	
329	IN-ROOF	40	-68	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1020		6310-1062	40--68-7	
330	IN-ROOF	40	-68	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1020		6310-1062	40--68-7	
331	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1024		6310-1054	40-22-3	
332	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1024		6310-1054	40-22-3	
333	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1024		6310-1054	40-22-3	
334	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1025		6310-1054	40-22-3	
335	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1025		6310-1054	40-22-3	
336	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1025		6310-1054	40-22-3	
337	IN-ROOF	45	22	3		3.50	14			1												1	3.68	16.0	1	3.5	INPUT 1: 1X7, INPUT 2: 1X7		1				6310-1026		6310-1056	45-22-3.5	
338	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1026		6310-1052	45-22-2	
339	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1026		6310-1052	45-22-2	
340	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1027		6310-1052	45-22-2	
341	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1027		6310-1052	45-22-2	
342	IN-ROOF	45	22	3		3.50	14			1												1	3.68	16.0	1	3.5	INPUT 1: 1X7, INPUT 2: 1X7		1				6310-1027		6310-1056	45-22-3.5	
343		10	22									2										1	10.00	48.0	1	10			2							10-22-10	
344																																					--	
345	FLAT-ROOF																																				--	
346					10.5																																--	
347																																					--	
348																																		6310-1045		6310-1066	--	
349		10	22									2										1	10.00	48.0	1	10			2							10-22-10	
350																																					--	
351	FLAT-ROOF																																				--	
352					10.5																																--	
353																																					--	
354																																		6310-1046		6310-1066	--	
355	IN-ROOF	22	22	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1028		6310-1062	22-22-7	
356	IN-ROOF	22	22	5.75		7.00	28			2												1	7.36	32.0	1	7	INPUT 1: 1X7, INPUT 2: 1X7		2				6310-1028		6310-1062	22-22-7	
357	IN-ROOF	45	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1029		6310-1054	45-22-3	
358	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1029		6310-1052	45-22-2	
359	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1029		6310-1052	45-22-2	
360	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1030		6310-1054	40-22-3	
361	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1030		6310-1054	40-22-3	
362	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1031		6310-1054	40-22-3	
363	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1031		6310-1054	40-22-3	
364	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1031		6310-1054	40-22-3	
365	IN-ROOF	40	16	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1032		6310-1054	40-16-3	
366	IN-ROOF	40	16	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1032		6310-1054	40-16-3	
367	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1033		6310-1054	40-22-3	
368	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1033		6310-1054	40-22-3	
369	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1033		6310-1054	40-22-3	
370		10	22			5	20					1										1	5.00	24.0	1	5	2X10		1							10-22-5	
371						4.5	18					1										1	5.00	24.0	1	4.75	2X9		1							--4.5	
372	FLAT-ROOF																																				--	
373					8																																--	
374																																					--	
375																																		6310-1047		6310-1068	--	
376	IN-ROOF	40	3	5.75		4.50	18					1										1	5.00	24.0	1	4.5	2X9		1				6310-1034		6310-1058	40-3-4.5	
377	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1035		6310-1052	45-22-2	
378	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1035		6310-1052	45-22-2	
379	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1035		6310-1052	45-22-2	
380	IN-ROOF	45	22	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1035		6310-1052	45-22-2	
381	IN-ROOF	45	22	3		3.50	14			1												1	3.68	16.0	1	3.5	INPUT 1: 1X7, INPUT 2: 1X7		1				6310-1035		6310-1056	45-22-3.5	
382	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1036		6310-1054	40-22-3	
383	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1036		6310-1054	40-22-3	
384	IN-ROOF	40	22	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1036		6310-1054	40-22-3	
385	IN-ROOF	45	3	3		3.50	14			1												1	3.68	16.0	1	3.5	INPUT 1: 1X7, INPUT 2: 1X7		1				6310-1037		6310-1056	45-3-3.5	
386	IN-ROOF	45	3	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1037		6310-1052	45-3-2	
387	IN-ROOF	45	3	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1037		6310-1052	45-3-2	
388	IN-ROOF	45	-34	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1038		6310-1052	45--34-2	
389	IN-ROOF	45	-34	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1038		6310-1052	45--34-2	
390	IN-ROOF	45	-34	3		3.00	12		1													1	3.30	16.0	1	3	1X12	1					6310-1038		6310-1054	45--34-3	
391	IN-ROOF	45	-11	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1039		6310-1052	45--11-2	
392	IN-ROOF	45	-11	3		2.00	8	1														1	2.00	9.1	1	2	1X8	1					6310-1039		6310-1052	45--11-2	
393	IN-ROOF	45	-11	3		3.50	14			1												1	3.68	16.0	1	3.5	INPUT 1: 1X7, INPUT 2: 1X7		1				6310-1039		6310-1054	45--11-3.5	
				298.5		298.00	1192	18	29	28	8	1	2	2	1	0	0	0					310.74			296.75	0	47	42	0	0	0	0					
											89																										