

Energy usage

		2022													Totals 1
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Feb 22 to 31 Jan 23
Heat demand	kWh/m2/month	7.5	4.2	3.2	0.7	-	-	-	-	-	0.5	2.7	5.7	24.6	21.9
	kWh/month	1,304	733	552	113	-	-	-	-	-	91	469	988	4,249	3,785
Hot water demand		202.2	202.2	202.2	202.2	202.2	143.3	116.7	94.3	113.4	140	202	202	2,023	2,023
Heat & HW demand.	<i>from Samsung readings</i>	1,506	935	754	315	202	143	117	94	113	230.6	670.8	1,190.4	6,272	5,807
	<i>COP - combined</i>	2.41	2.66	2.51	2.33	2.10	1.69	2.11	1.79	2.34	2.33	2.84	2.48	2.45 = 2022 SCOP	2.46
							<i>"economic mode"</i>	<i>"standard / economic"</i>							
Electricity demand for heat & HW (from ASHP)	kWh/month	624	352	301	135	96	84.6	55.4	52.6	48.4	99.1	236.5	479.9	2,565	2,358
Household electricity		252	223	216	304	250	195	247	213	191	249	240	251	2,830	2,877
Total energy demand	kWh/month	877	575	517	439	346	280	302	265	239	348	476	731	5,395	5,236
Less: own consumption of solar PV		(6)	(119)	(217)	(248)	(247)	(233)	(258)	(206)	(186)	(154)	(78)	(40)	(1,991)	(2,078)
Total grid electricity import demand /month	kWh/month	870	455	300	191	99	47.5	44.6	59.8	52.9	194.1	398.03	691.14	3,404	3,158
Generation		6.48	151.21	327.54	493.85	477.08	568.51	590.89	498.56	299.14	196.97	84.95	42.14	3,737	3,830
Net monthly demand		877	575	517	439	346	280	302	265	239	348	476	731	5,395	5,236
Net daily demand		28	21	17	15	11	9	10	9	8	11	16	24	15 av.	
meter readings at end of month:	Dec-21													Total for year kWh	
Solar PV1	10,616.06	10,617.28	10,712.93	10,895.65	11,126.64	11,334.86	11,576.32	11,830.87	12,062.34	12,226.49	12,351.73	12,405.55	12,440	1,823.94	
Solar PV2	1.62	6.88	62.44	207.26	470.12	738.98	1,066.03	1,402.37	1,669.46	1,804.45	1,876.18	1,907.31	1,915	1,913.38	
														3,737.32	
Export meter readings:	283	283	315	426	672	902	1238	1571	1864	1977	2020	2027	2030.36		
Actual export		0	32	111	246	230	336	333	293	113	43	7	3	1,746.18	
Consumption of own generated electricity														1,991	
ratio of export : grid		0%	7%	37%	129%	232%	707%	747%	490%	214%	22%	2%	0%	51%	
Imports		870	455	300	191	99	48	45	60	53	194	398	691	3,404	3,158
Exports		0	(32)	(111)	(246)	(230)	(336)	(333)	(293)	(113)	(43)	(7)	(3)	(1,746)	(1,752)
Net import / (export)		870	423	189	(55)	(131)	(289)	(288)	(233)	(60)	151	391	689	1,657	1,406