

Scenario — PV

Old house to improve Austria - Inning 48.182, 15.417

Name	Slope °	Azimuth °	Wp	Wall d/h m	Face	Bifacial	Wp counted
Garage roof	1	0	10740	—	front	—	yes
Total counted			10740				

Location: My most visited location in “lower Austria”, just at the Tesla SuC.
Database PVGIS-SARAH3 2005–2023 loss 14 % azimuth 0 = south, 90 = west, –90 = east.
Price bands and charts use UTC+1 from longitude (15° per hour), not the political time zone.
Peak hour 2009-06-13 12:10 local (11:10 UTC) 8369 W 0.779 W/Wp of 10740 Wp.
Database gaps: 10 days with 0 yield while the sun reached the horizon at noon. 2008-01-23, 2008-03-01,
2008-03-06, 2008-05-17, 2008-05-18, 2009-04-18, 2009-04-19, 2009-08-15, 2009-08-16, 2016-10-16. Yield charts
skip them. The simulation uses the lowest-yield day of that month.
Sell when the export price is above 0. At 0 cent export PV yield only, not the battery. Do not sell when the
earning is negative. At 15:00 winter time, battery export is only the kWh that would not fit in the next 72 h.



Scenario — house, heat pump, battery
 Old house to improve Austria - Inning 48.182, 15.417

Chapter	Parameter	Value
Building	Design out / in / heat	-10.0 °C / 20.0 °C / 4000.0 W
	Heat on / cool on / ground	20.0 °C / 25.0 °C / 10.0 °C
	Curve / flow min / max	1.0 / 25.0 °C / 55.0 °C
	Thermal mass of the house	25.0 kWh/K
	Household only	4.0 kWh/day
DHW	Litres at 40 °C / tank	200.0 L tank 62.0 °C 8-18 h
	Water out of the pipe Q1-Q4	8 °C 10 °C 12 °C 10 °C
Heat pump	Source	air
	COP –10/0/10 @ 35 °C	2.4 3.4 4.5
	COP –10/0/10 @ 50 °C	1.9 2.6 3.3
	kW –10/0/10 @ 35 °C	4 5 6
	kW –10/0/10 @ 50 °C	3.5 4.5 5
Battery	kWh / C-rate / SOC min-max-start	45.0 kWh C 0.5 5 / 95 / 50 %
	Nameplate	—
	Charge / discharge η	95 % / 90 %
Grid	Inverter / grid connection	12.0 kW / 12.0 kW
	Max export	12.0 kW
	Import cap Jan-Jun kW	Jan 10 Feb 9 Mar 8 Apr 6 May 4 Jun 4
	Import cap Jul-Dec kW	Jul 4 Aug 4 Sep 6 Oct 6 Nov 9 Dec 10
Cars	Lunch DC / night AC	0.0 kWh @ 30.0 kW night 10.0 kWh @ 4.0 kW

Records 1-10 — contribution of each PV
Austria - Inning 48.182, 15.417

PV	2009-06-13 11:10	2020-05-24 11:10	2009-06-03 11:10	2013-05-13 11:10	2009-06-13 10:10	2013-05-28 11:10	2012-05-18 11:10	2020-05-27 11:10	2021-06-02 11:10	2016-05-15 12:10
Garage roof	8369	8302	8251	8243	8237	8224	8219	8209	8197	8180
Watt at record	8369	8302	8251	8243	8237	8224	8219	8209	8197	8180
Percent of installed peak	77.9	77.3	76.8	76.8	76.7	76.6	76.5	76.4	76.3	76.2

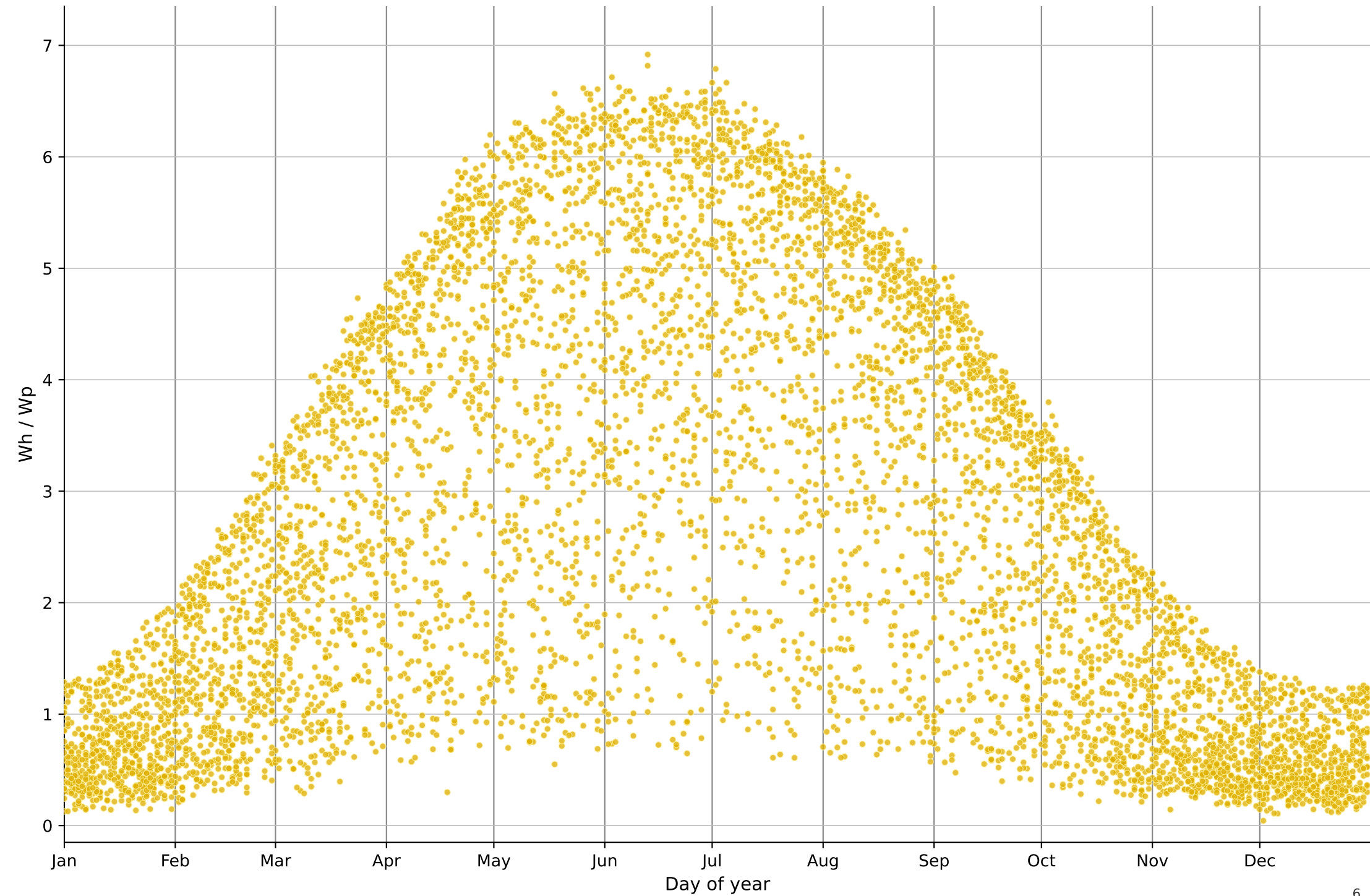
Hours at or above a share of the record
Austria - Inning 48.182, 15.417

Of the record	Hours	Watts
98 %	8	8202 W
96 %	33	8034 W
94 %	112	7867 W
92 %	320	7700 W
90 %	671	7532 W

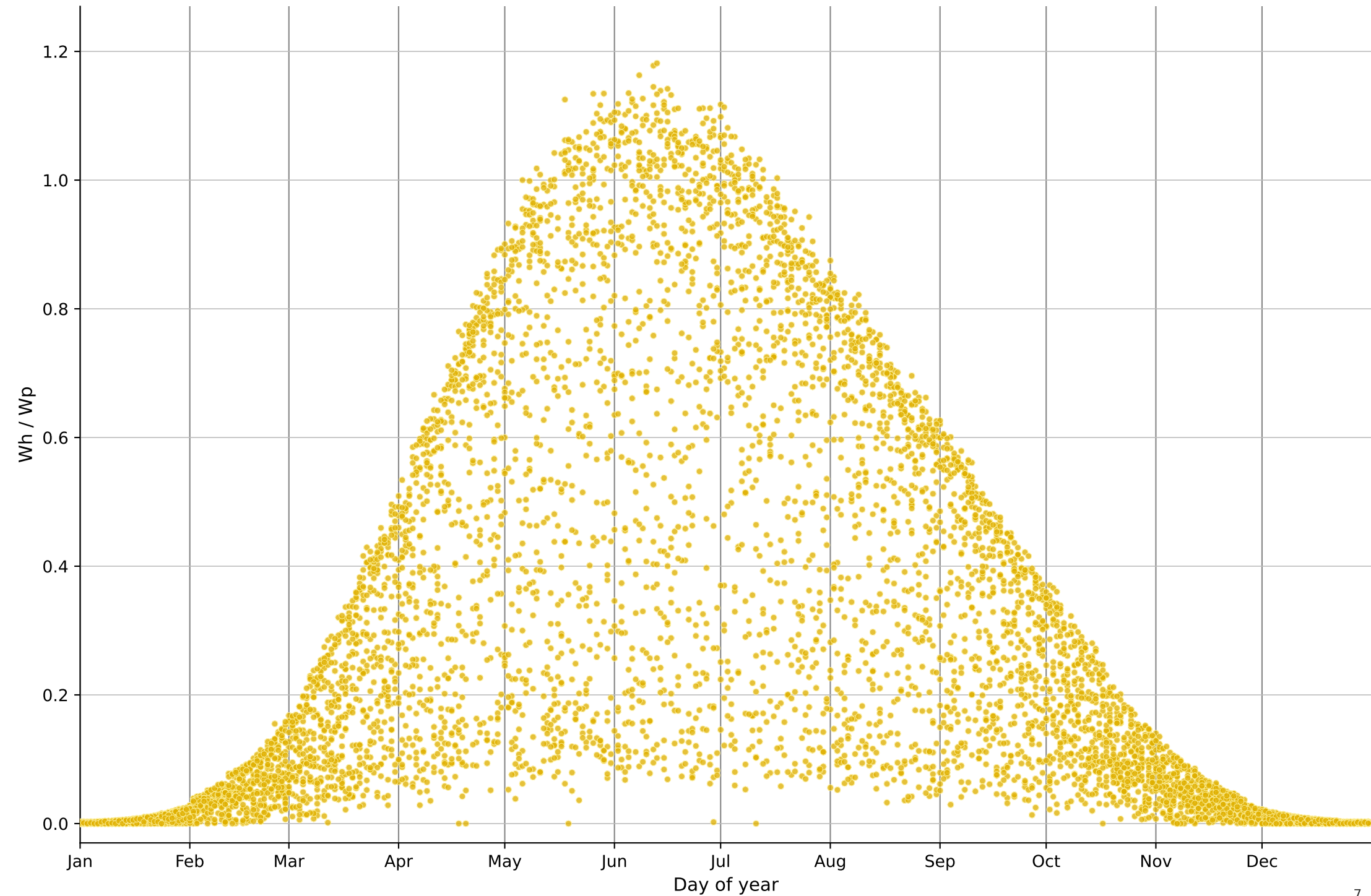
Records of each photovoltaic field
Austria - Inning 48.182, 15.417

PV	Date	Watts	%	h ≥98%	h ≥96%	h ≥94%	h ≥92%	h ≥90%
Garage roof	2009-06-13 11:10	8369	77.9	8	33	112	320	671

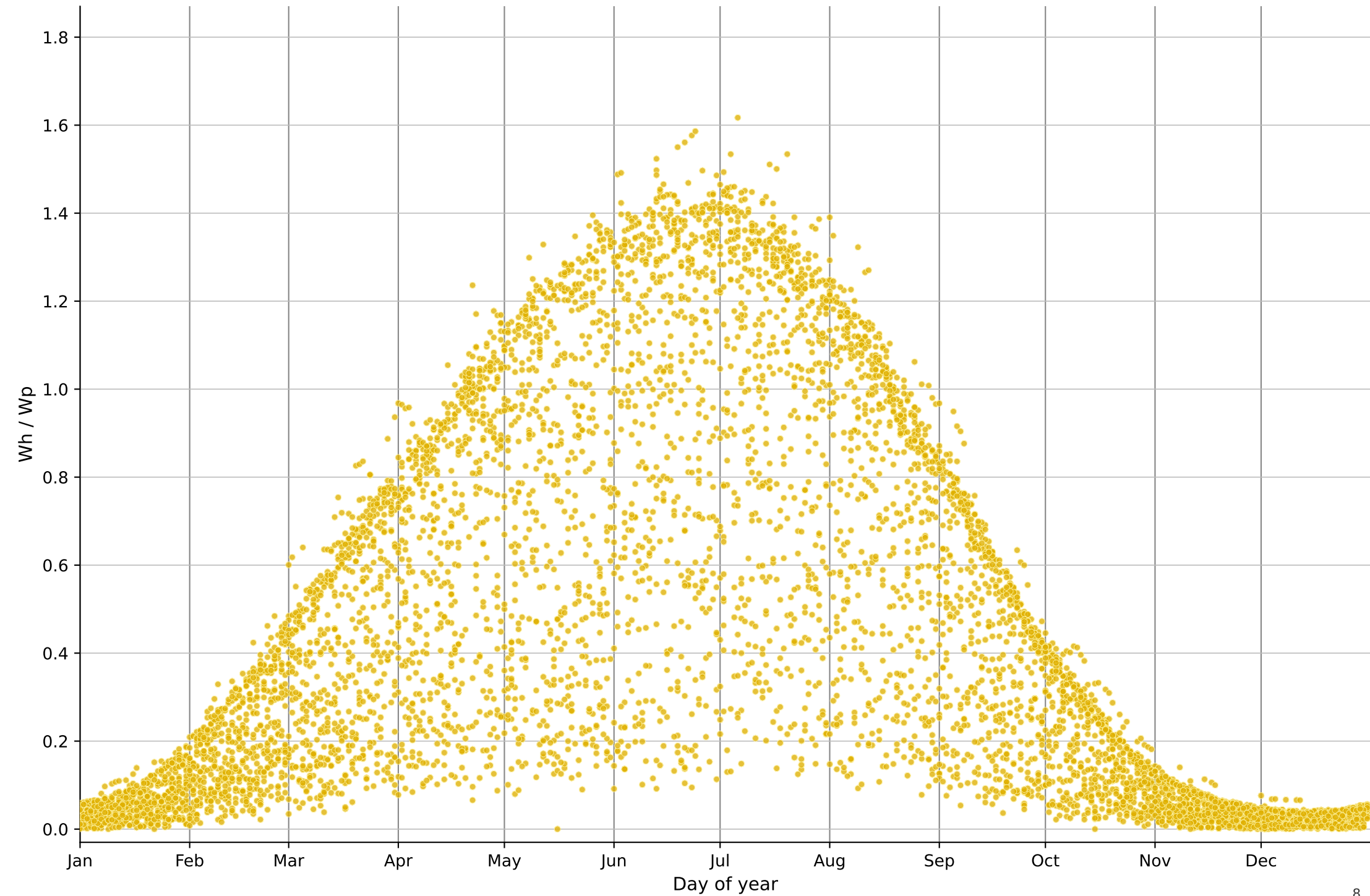
Yield distribution for each day — W_h / W_p of all PV together
Austria - Inning 48.182, 15.417



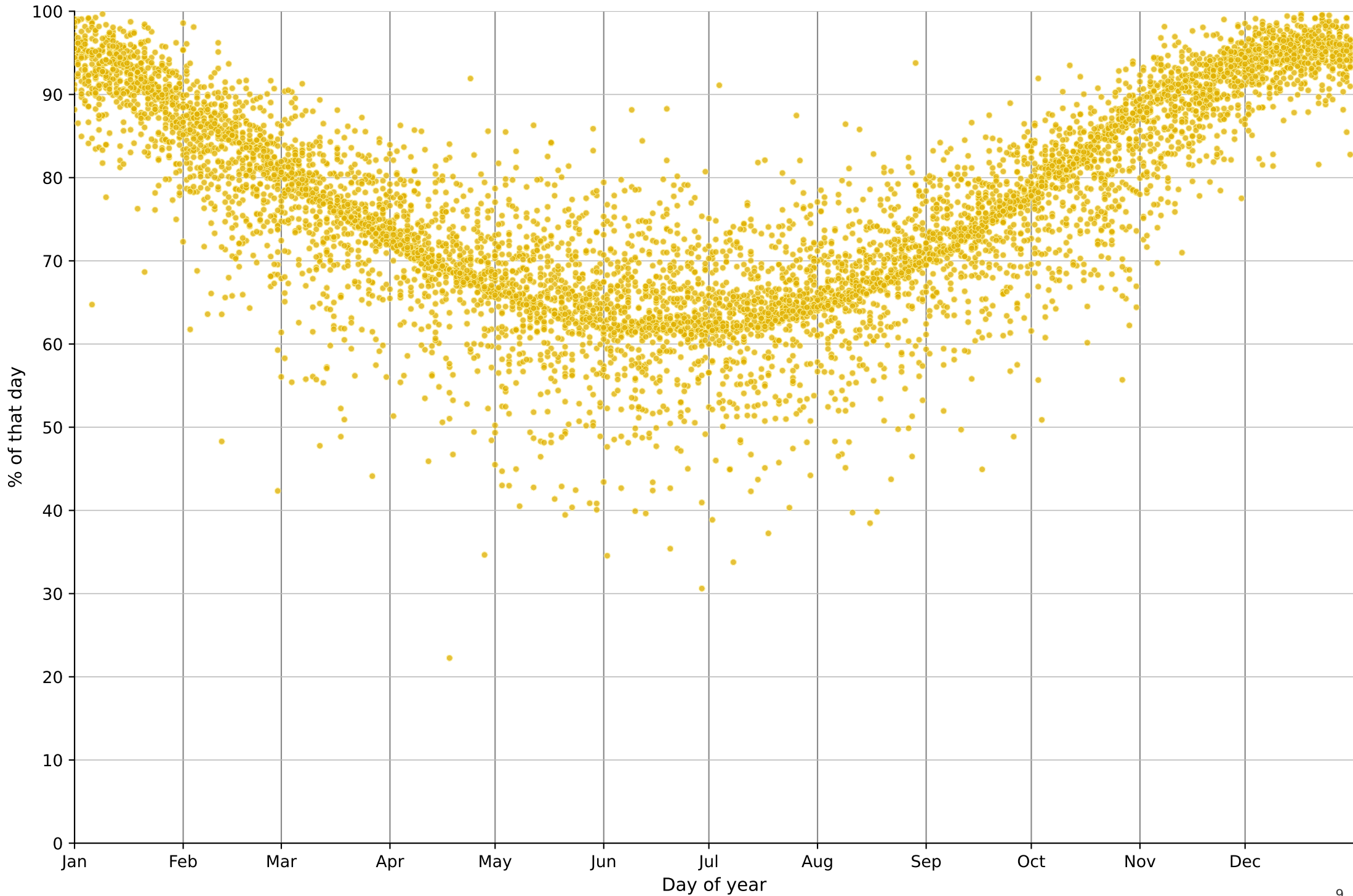
Yield distribution for each day — Wh / Wp of all PV together — 00:00-09:00
Austria - Inning 48.182, 15.417



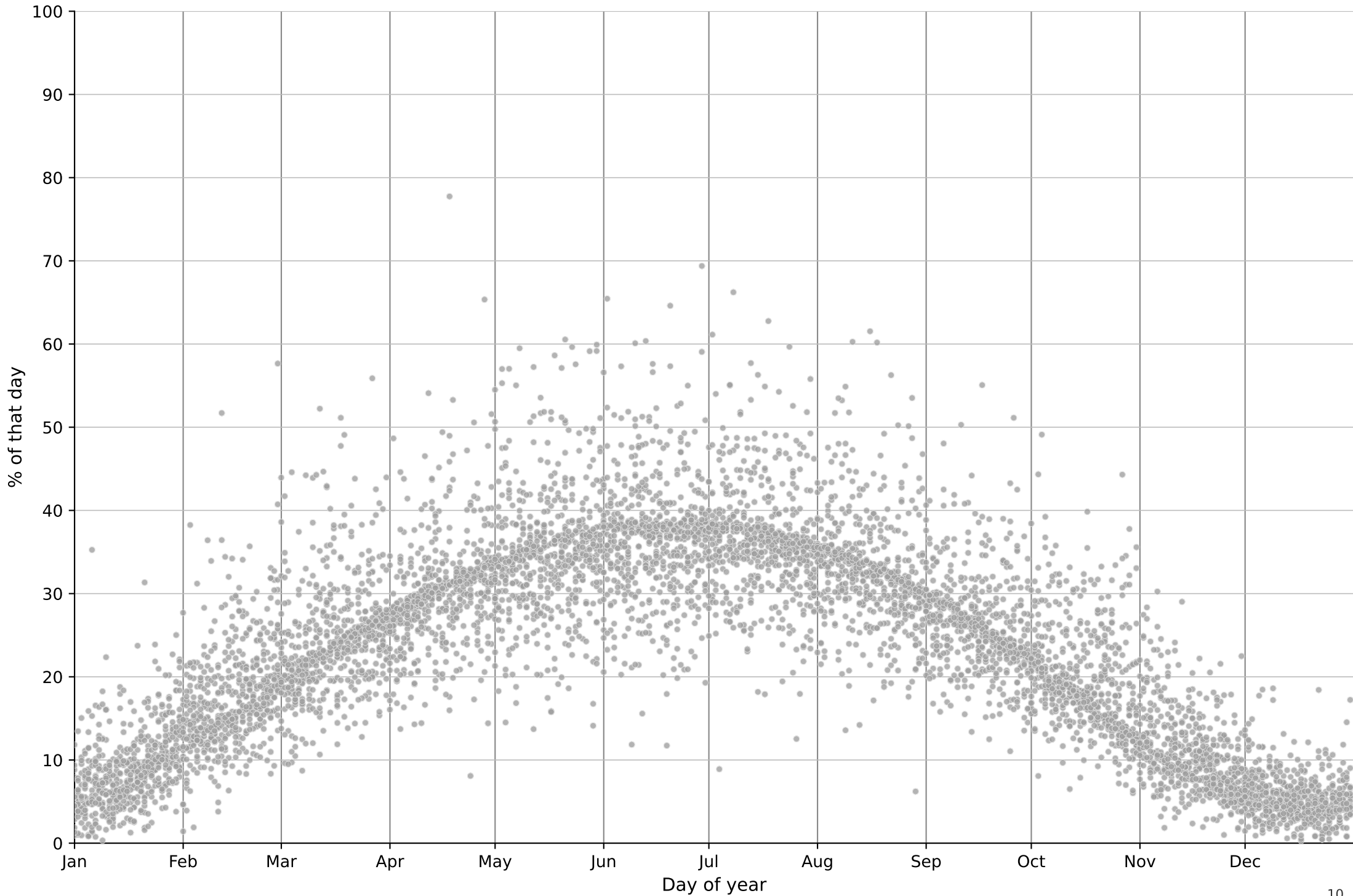
Yield distribution for each day — Wh / Wp of all PV together — 15:00-23:59
Austria - Inning 48.182, 15.417



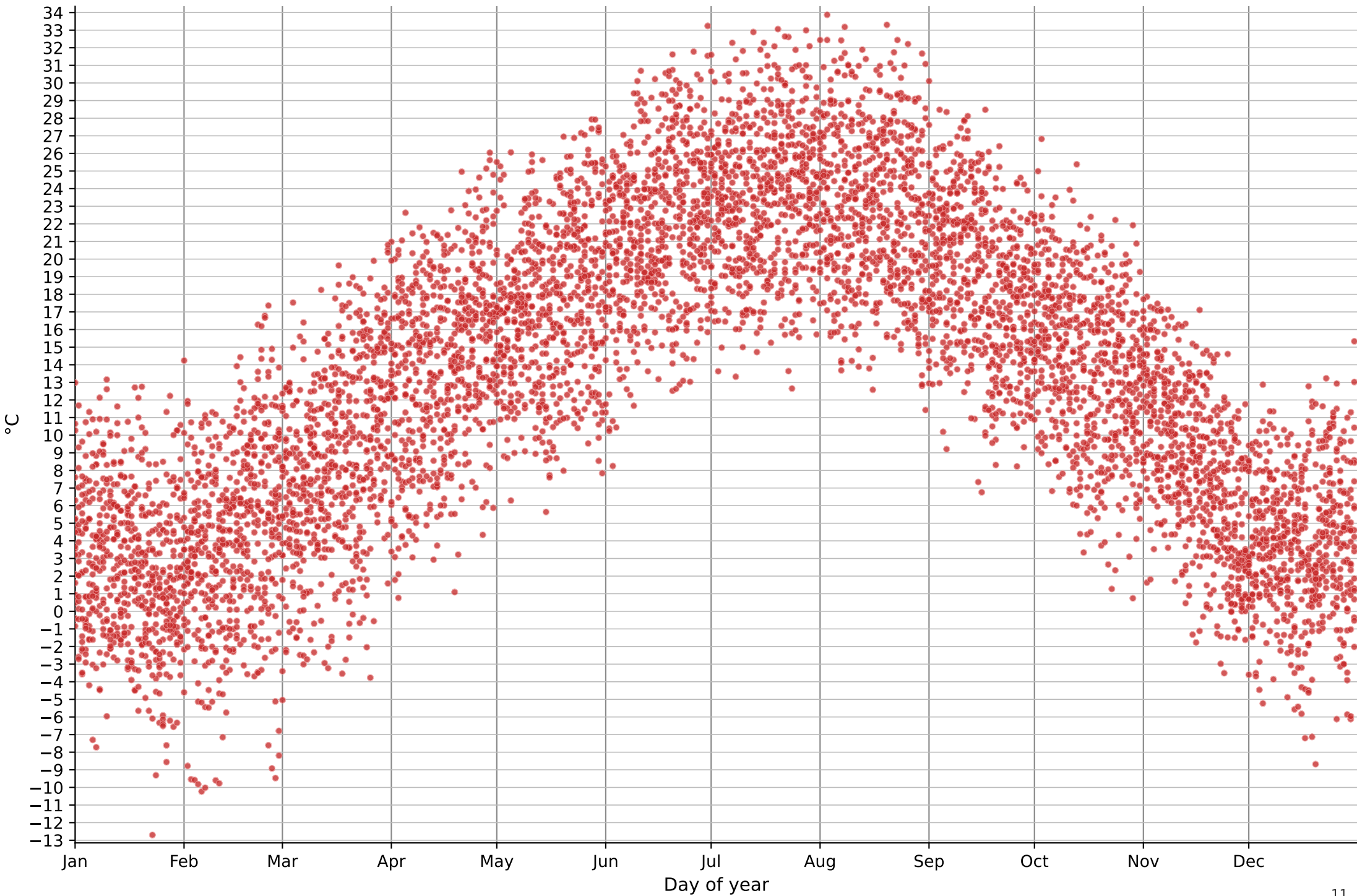
Share of the day's yield in 09:00-15:00 winter time
Austria - Inning 48.182, 15.417



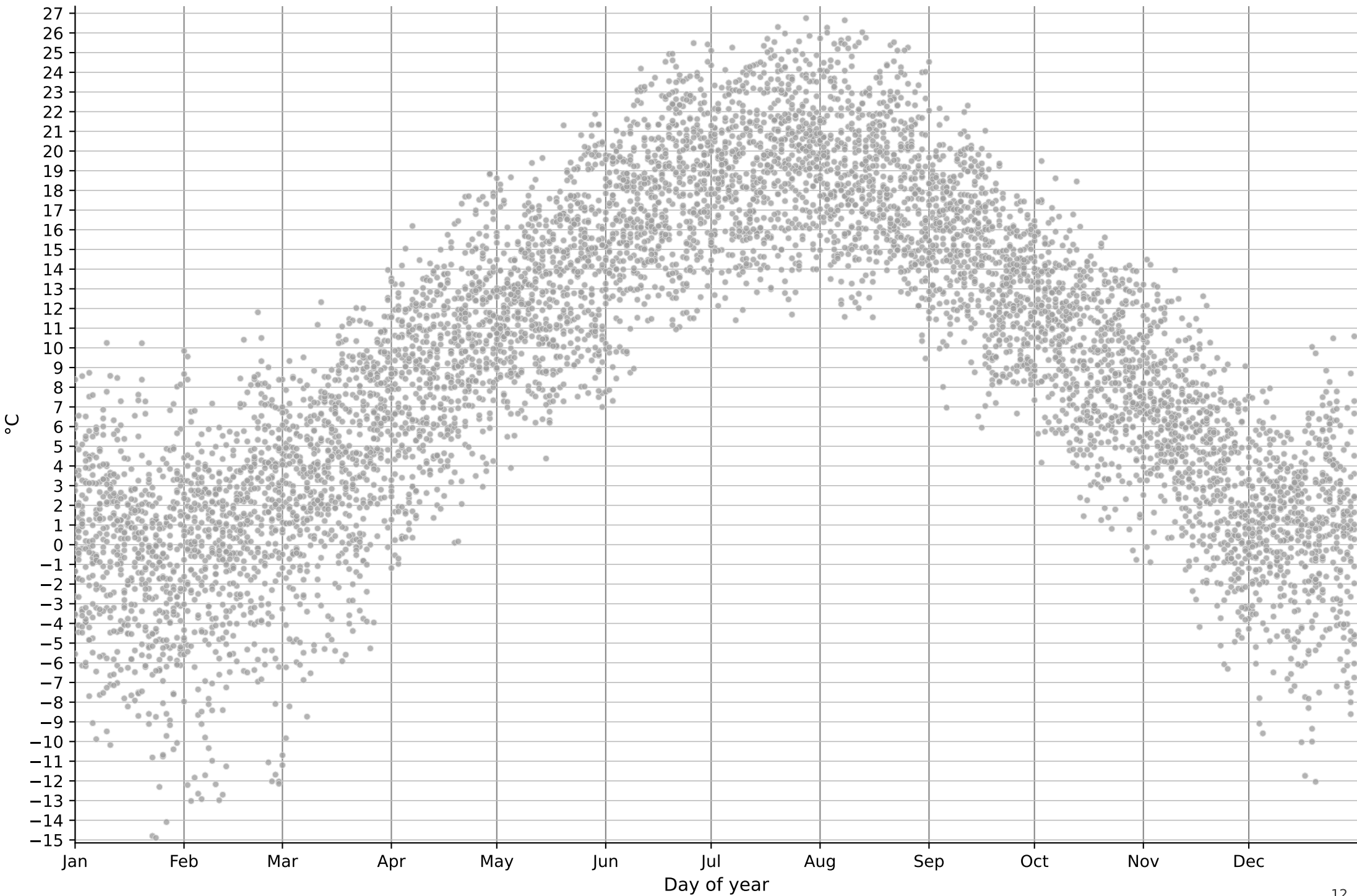
Share of the day's yield outside 09:00-15:00 winter time
Austria - Inning 48.182, 15.417



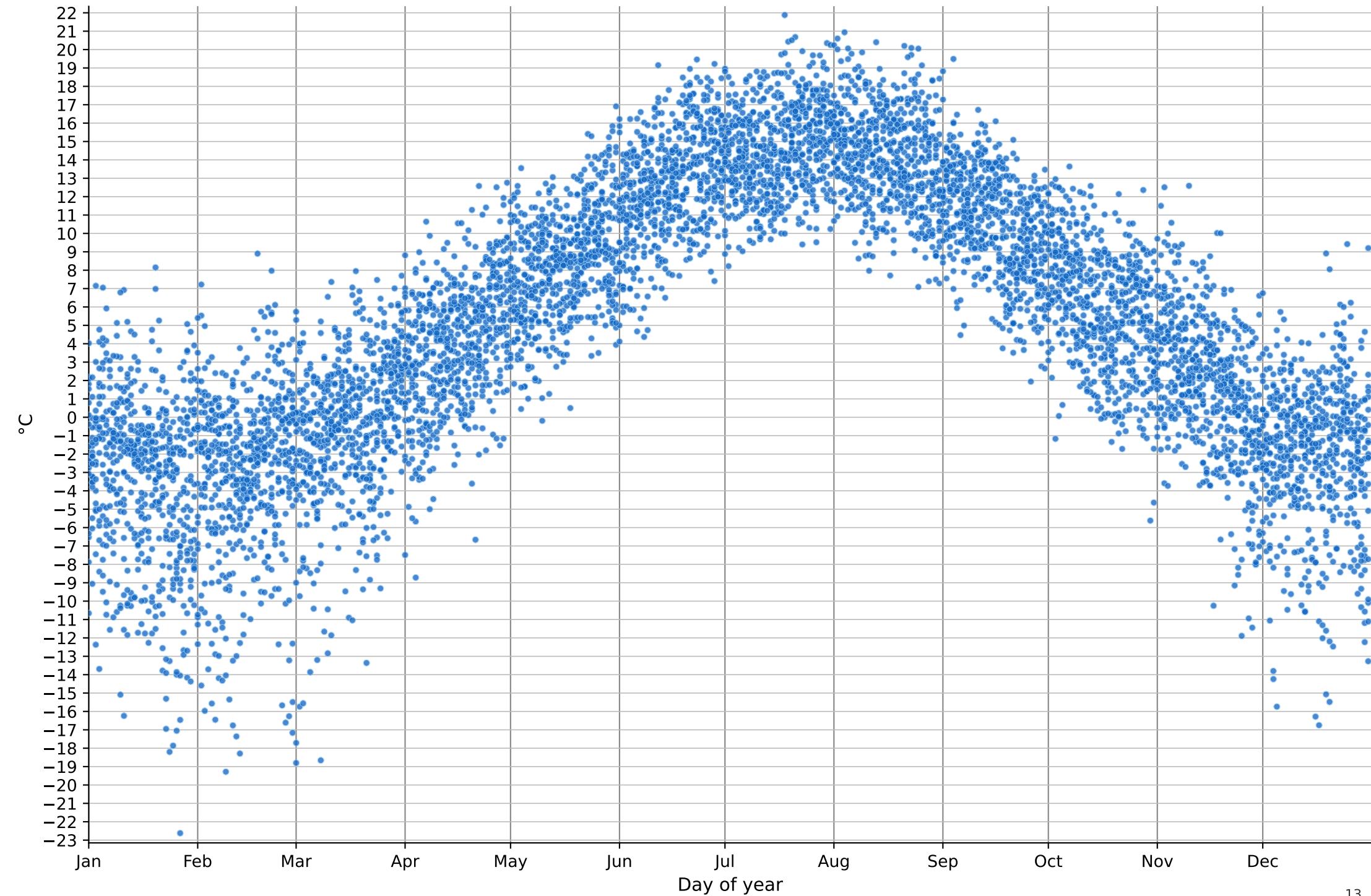
Highest temperature of each day
Austria - Inning 48.182, 15.417



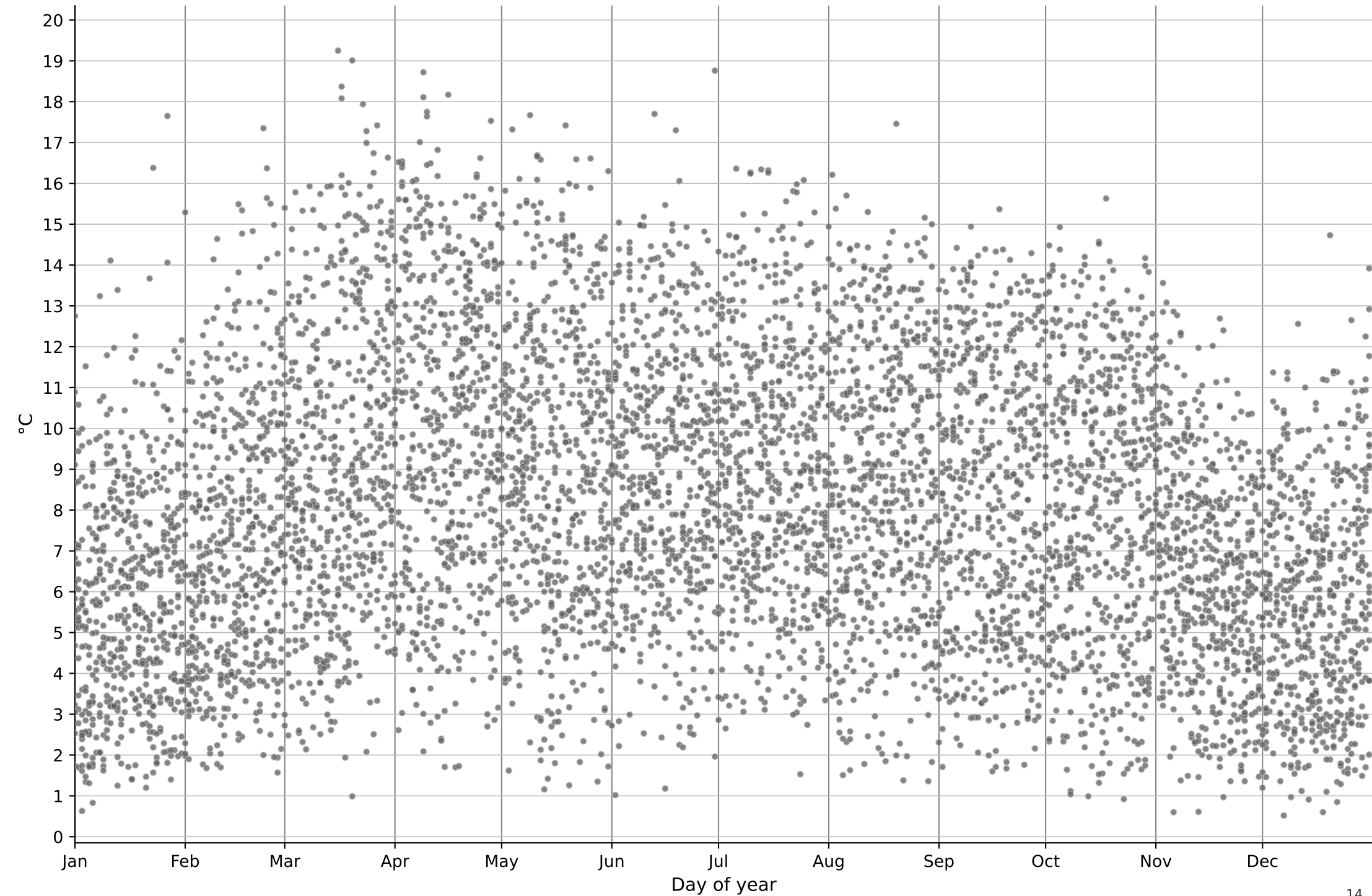
Average temperature of each day
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Lowest temperature of each day
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Difference between highest and lowest temperature of each day
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Monthly and yearly specific yield (kWh/kWp = Wh/Wp)
Austria - Inning 48.182, 15.417

Month / year		Garage roof 1°/0° 10740 Wp	All together
January	Maximum	32.84	32.84
	average	23.62	23.62
	minimum	17.95	17.95
February	Maximum	51.56	51.56
	average	41.81	41.81
	minimum	30.53	30.53
March	Maximum	103.67	103.67
	average	78.18	78.18
	minimum	60.95	60.95
April	Maximum	138.59	138.59
	average	110.61	110.61
	minimum	87.14	87.14
May	Maximum	144.59	144.59
	average	124.01	124.01
	minimum	91.48	91.48
June	Maximum	163.28	163.28
	average	135.71	135.71
	minimum	109.40	109.40
July	Maximum	158.88	158.88
	average	138.27	138.27
	minimum	102.76	102.76
August	Maximum	132.11	132.11
	average	117.75	117.75
	minimum	102.53	102.53
September	Maximum	104.79	104.79
	average	86.69	86.69
	minimum	69.95	69.95
October	Maximum	68.41	68.41
	average	54.55	54.55
	minimum	37.60	37.60
November	Maximum	33.54	33.54
	average	26.62	26.62
	minimum	20.26	20.26
December	Maximum	25.37	25.37
	average	19.18	19.18
	minimum	15.84	15.84
All years	Maximum	1005.5	1005.5
	average	957.0	957.0
	minimum	908.1	908.1

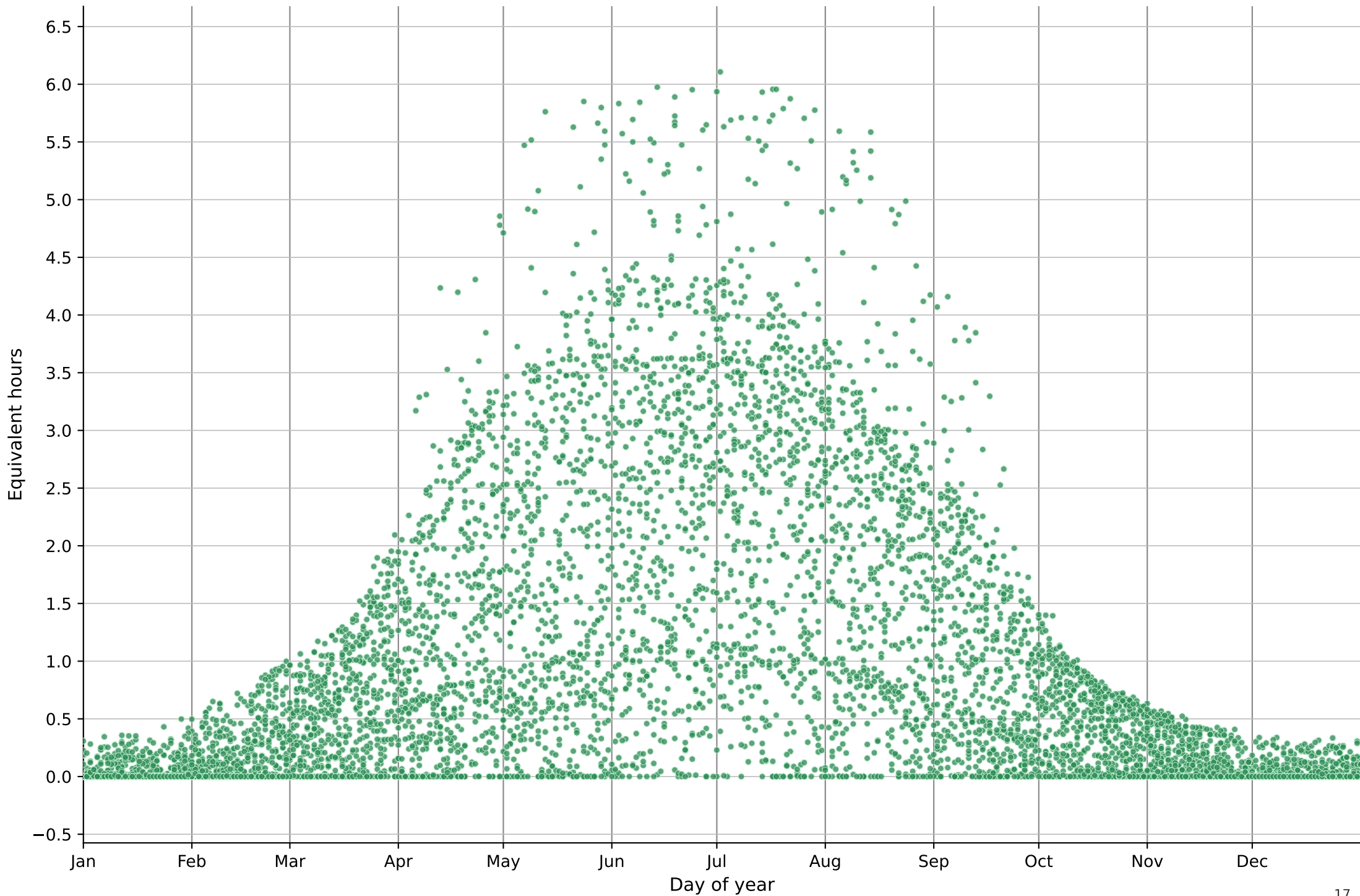
Highest combined yield hour: 2009-06-13 11:10 UTC 8369.1 W (0.779 W/Wp) of 10740 Wp installed. Use this hour to size battery charge power.

Monthly and yearly total yield (kWh)
Austria - Inning 48.182, 15.417

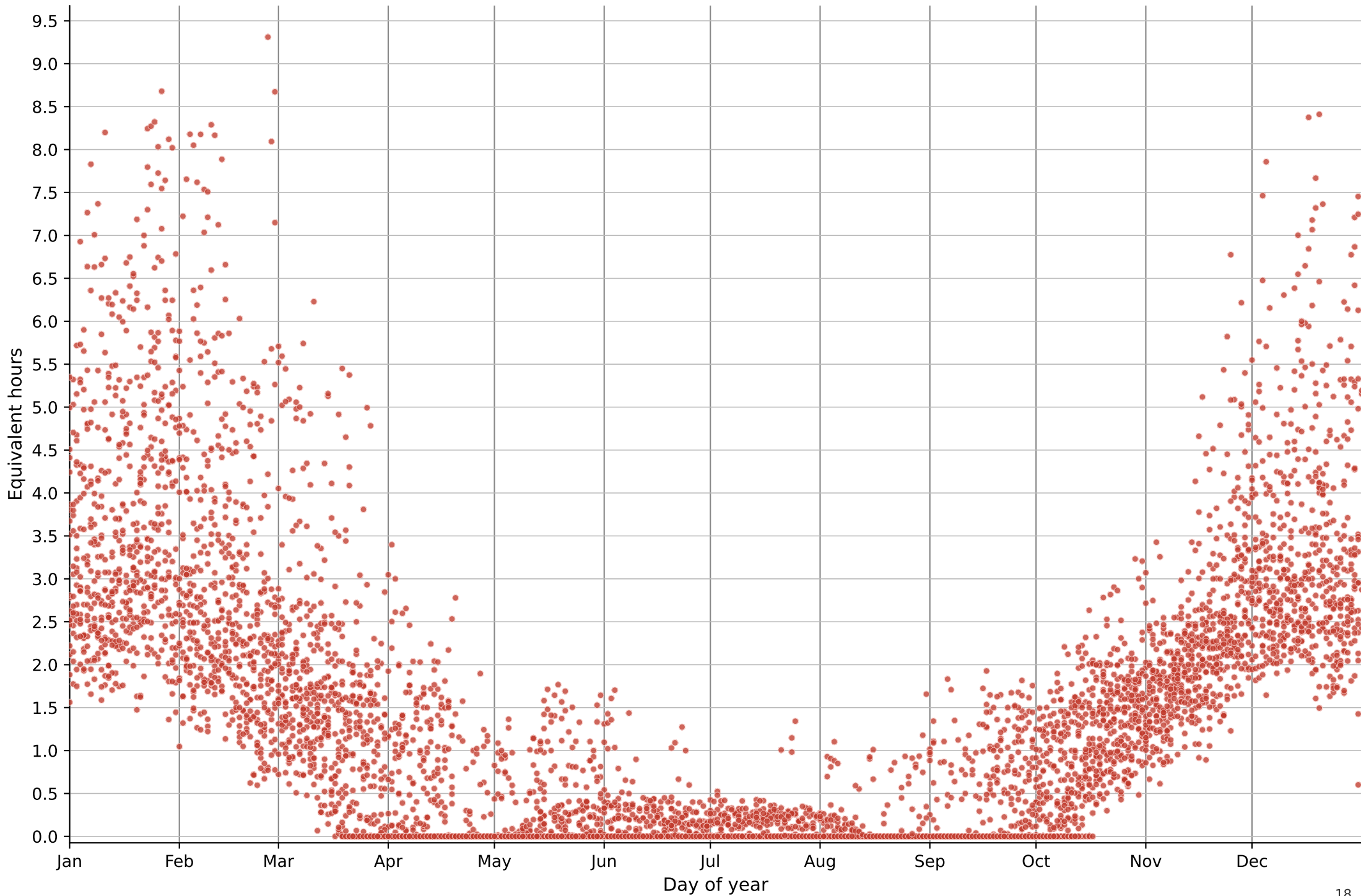
Month / year		Garage roof 1°/0° 10740 Wp	All together
January	Maximum	352.7	352.7
	average	253.6	253.6
	minimum	192.8	192.8
February	Maximum	553.7	553.7
	average	449.0	449.0
	minimum	327.9	327.9
March	Maximum	1113.4	1113.4
	average	839.7	839.7
	minimum	654.6	654.6
April	Maximum	1488.4	1488.4
	average	1188.0	1188.0
	minimum	935.8	935.8
May	Maximum	1552.9	1552.9
	average	1331.9	1331.9
	minimum	982.4	982.4
June	Maximum	1753.7	1753.7
	average	1457.5	1457.5
	minimum	1175.0	1175.0
July	Maximum	1706.4	1706.4
	average	1485.0	1485.0
	minimum	1103.6	1103.6
August	Maximum	1418.8	1418.8
	average	1264.6	1264.6
	minimum	1101.1	1101.1
September	Maximum	1125.4	1125.4
	average	931.1	931.1
	minimum	751.2	751.2
October	Maximum	734.7	734.7
	average	585.9	585.9
	minimum	403.9	403.9
November	Maximum	360.3	360.3
	average	285.9	285.9
	minimum	217.6	217.6
December	Maximum	272.5	272.5
	average	206.0	206.0
	minimum	170.1	170.1
All years	Maximum	10799	10799
	average	10278	10278
	minimum	9753	9753

Highest combined yield hour: 2009-06-13 11:10 UTC 8369.1 W (0.779 W/Wp) of 10740 Wp installed. Use this hour to size battery charge power.

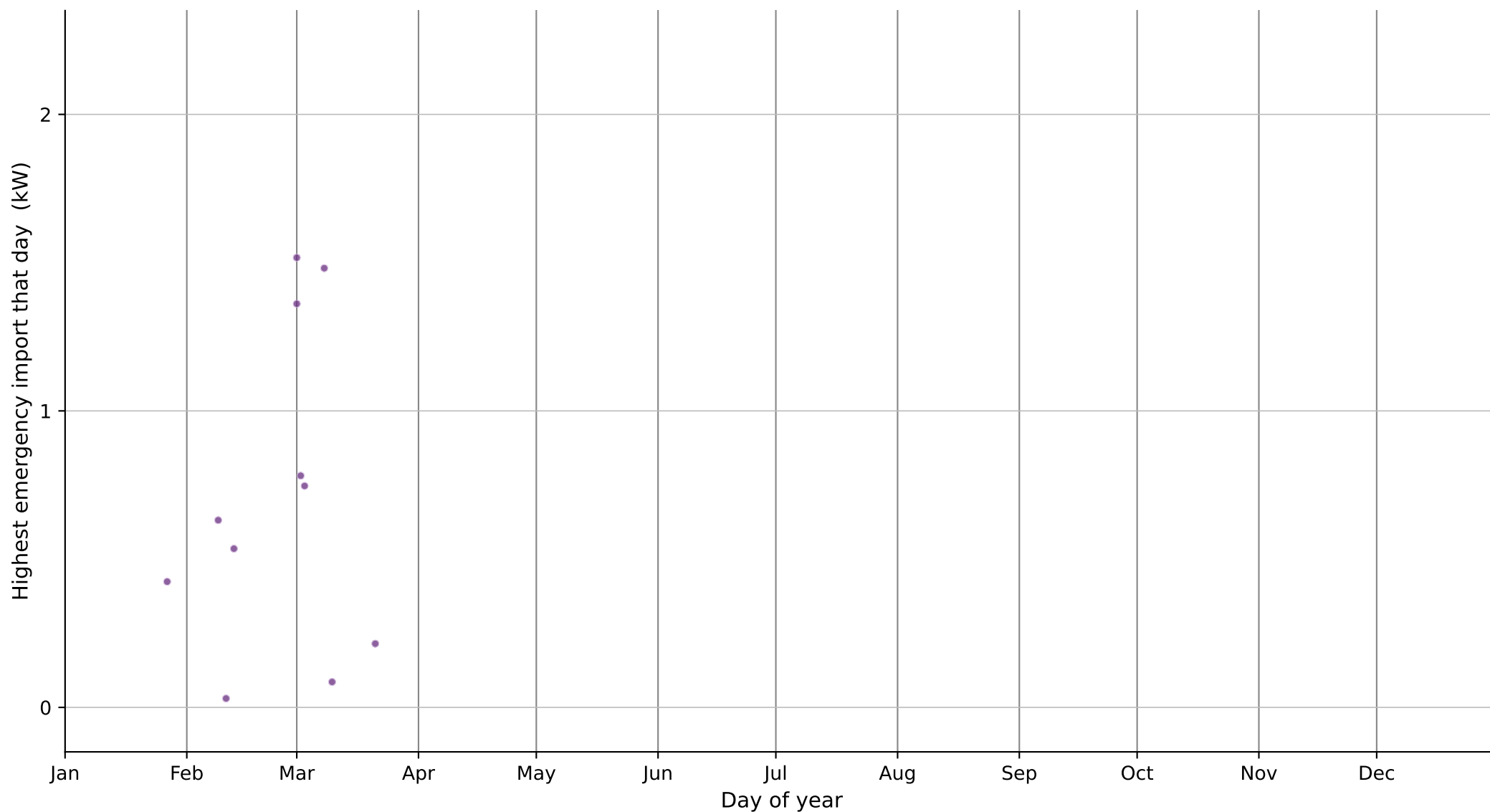
Export energy as equivalent hours (kWh / grid kW)
Austria - Inning 48.182, 15.417



Import energy as equivalent hours (kWh / grid kW)
Austria - Inning 48.182, 15.417



Emergency import hours: 18 days with an emergency: 11
Austria - Inning 48.182, 15.417



Emergency = this hour's grid import is above the month's max import kW. 2 kW means up to 48 kWh in 24 hours. More than 2 kW in an hour is the higher grid fee. Import inside that cap is not an emergency. Preferred cheap hours are 00:00-06:00 and 09:00-15:00 winter time.

Energy in kWh
Austria - Inning 48.182, 15.417

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
Export to grid													
month Maximum	39	113	306	719	898	1140	1150	824	516	224	83	45	4858
month average	19	63	220	446	643	852	890	664	341	164	51	17	4368
month minimum	4	8	112	252	357	547	491	485	201	97	21	6	3792
day Maximum	6.0	12.0	25.1	58.3	70.2	71.7	73.3	67.1	49.9	16.8	7.6	4.1	73.3
day average	0.6	2.2	7.1	14.9	20.7	28.4	28.7	21.4	11.4	5.3	1.7	0.5	12.0
day minimum	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
Import from grid													
month Maximum	2025	1733	943	276	154	94	46	55	232	540	1122	1973	7641
month average	1373	989	553	126	66	37	28	21	89	386	800	1234	5704
month minimum	961	603	284	0	14	10	18	0	6	237	670	835	4607
day Maximum	104.2	111.7	74.7	40.8	21.2	20.4	16.1	19.9	23.1	38.8	81.3	100.9	111.7
day average	44.3	35.1	17.8	4.2	2.1	1.2	0.9	0.7	3.0	12.5	26.7	39.8	15.6
day minimum	16.3	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	7.2	0.0
Total energy used for house													
month Maximum	2147	1974	1408	871	712	572	553	572	645	843	1209	2035	12235
month average	1478	1259	1074	752	645	533	512	522	584	742	949	1304	10353
month minimum	1074	886	853	620	576	489	492	492	514	647	815	976	9389
day Maximum	112.8	106.8	96.2	48.5	30.8	25.9	23.7	23.6	27.2	46.6	75.2	103.0	112.8
day average	47.7	44.6	34.6	25.1	20.8	17.8	16.5	16.8	19.5	23.9	31.6	42.0	28.3
day minimum	16.7	21.8	20.2	15.7	15.6	15.6	15.5	15.5	15.5	16.4	19.5	22.7	15.5

Month rows: kWh in that month. Day rows: best / average / worst day.
Total energy used for house = household + car + heating + cooling + DHW + direct electric.
PV not exported and not marked wasted is still in the battery, or could not leave because the grid was already full. It is not house use.

Energy by price
Austria - Inning 48.182, 15.417

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
Export													
month Maximum	2	7	21	89	134	185	189	132	73	13	5	2	680
month average	1	4	14	45	85	133	142	99	37	9	3	1	574
month minimum	0	0	7	14	39	84	65	58	13	5	1	0	479
day Maximum	0.4	0.8	3.1	10.4	13.6	13.8	14.2	13.3	8.9	1.6	0.4	0.2	14.2
day average	0.0	0.1	0.5	1.5	2.8	4.4	4.6	3.2	1.2	0.3	0.1	0.0	1.6
day minimum	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
Import													
month Maximum	503	445	230	47	25	17	9	9	38	125	270	489	1851
month average	332	240	131	21	12	8	7	4	15	89	187	294	1338
month minimum	227	140	65	0	3	3	4	0	1	54	155	194	1062
day Maximum	29.0	30.8	19.9	7.7	3.7	3.7	2.9	3.6	4.2	9.6	21.5	26.6	30.8
day average	10.7	8.5	4.2	0.7	0.4	0.3	0.2	0.1	0.5	2.9	6.2	9.5	3.7
day minimum	3.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.5	0.0
Peak grid fee													
month Maximum	66	61	61	38	25	25	25	25	38	38	57	63	512
month average	63	57	52	35	25	17	13	21	38	38	57	63	480
month minimum	63	57	51	0	10	7	7	0	38	38	57	63	443
day Maximum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
day average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
day minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Import incl. peak fee													
month Maximum	566	506	290	85	51	42	34	35	76	163	327	552	2352
month average	395	297	184	56	36	25	20	24	53	127	244	357	1818
month minimum	290	197	116	0	13	9	13	0	39	92	212	258	1549
day Maximum	29.0	30.8	19.9	7.7	3.7	3.7	2.9	3.6	4.2	9.6	21.5	26.6	30.8
day average	10.7	8.5	4.2	0.7	0.4	0.3	0.2	0.1	0.5	2.9	6.2	9.5	3.7
day minimum	3.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.5	0.0
Balance													
month Maximum	-288	-190	-96	84	100	164	171	114	33	-81	-207	-255	-972
month average	-394	-294	-169	-10	49	109	122	74	-16	-118	-241	-356	-1245
month minimum	-565	-505	-276	-67	-8	53	32	29	-50	-158	-325	-552	-1873
day Maximum	-3.5	-1.0	3.1	10.4	13.6	13.8	14.2	13.3	8.9	1.6	-1.3	-1.5	14.2
day average	-10.7	-8.4	-3.8	0.8	2.4	4.2	4.4	3.1	0.7	-2.6	-6.1	-9.5	-2.1
day minimum	-29.0	-30.8	-19.9	-7.7	-3.6	-3.7	-2.9	-3.6	-4.1	-9.6	-21.5	-26.6	-30.8

Currency in Your units. Import and export use the cent/kWh of that hour. Peak fee 6.33 / kW / month is the highest import hour of the month (hourly stand-in for the 15-minute peak) and is added to that month's Sell only when export is above 0. At 0 cent, export PV yield only, not the battery. Do not sell when the earning is negative.

Export in kWh during price hours

Austria - Inning 48.182, 15.417

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
Export total													
month Maximum	39	113	306	719	898	1140	1150	824	516	224	83	45	4858
month average	19	63	220	446	643	852	890	664	341	164	51	17	4368
month minimum	4	8	112	252	357	547	491	485	201	97	21	6	3792
day Maximum	6.0	12.0	25.1	58.3	70.2	71.7	73.3	67.1	49.9	16.8	7.6	4.1	73.3
day average	0.6	2.2	7.1	14.9	20.7	28.4	28.7	21.4	11.4	5.3	1.7	0.5	12.0
day minimum	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0
Export during high price hours													
month Maximum	0	0	23	367	572	825	852	583	305	10	0	0	2873
month average	0	-0	5	162	358	591	627	422	136	1	0	0	2302
month minimum	0	-0	0	33	138	357	283	240	26	-0	0	0	1877
day Maximum	0.0	0.0	12.6	44.8	58.6	59.9	62.2	57.8	37.8	6.3	0.0	0.0	62.2
day average	0.0	-0.0	0.2	5.4	11.5	19.7	20.2	13.6	4.5	0.0	0.0	0.0	6.3
day minimum	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0
Export during medium price hours													
month Maximum	4	34	110	178	197	217	234	189	127	53	9	1	1121
month average	1	17	75	133	147	174	187	153	93	32	3	0	1014
month minimum	0	1	45	94	95	119	125	119	59	11	0	0	922
day Maximum	1.1	3.4	6.7	9.1	10.2	10.5	10.4	9.7	7.7	3.7	1.0	0.1	10.5
day average	0.0	0.6	2.4	4.4	4.7	5.8	6.0	4.9	3.1	1.0	0.1	0.0	2.8
day minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Export during low price hours													
month Maximum	38	94	202	198	174	125	109	141	143	171	74	44	1238
month average	18	46	140	151	138	86	76	89	112	131	48	17	1052
month minimum	3	7	65	103	93	53	46	35	75	86	21	6	895
day Maximum	4.9	8.6	18.0	30.2	35.5	29.5	29.5	30.5	26.5	13.7	6.6	4.1	35.5
day average	0.6	1.6	4.5	5.0	4.4	2.9	2.4	2.9	3.7	4.2	1.6	0.5	2.9
day minimum	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.0

kWh exported while that price band was active. Not the money. Winter time. High 06:00–09:00 and 17:00–20:00, sold first. Low 09:00–15:00, sold last. Medium is the rest.

Heat pump

Austria - Inning 48.182, 15.417

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
Heating													
month Maximum	1582	1434	883	385	215	97	67	85	171	341	712	1483	6249
month average	949	780	562	270	152	60	29	38	113	245	459	786	4442
month minimum	560	425	348	144	87	19	10	8	46	154	328	470	3513
day Maximum	91.4	85.4	77.1	31.9	14.4	9.7	7.9	8.0	11.1	30.0	57.0	82.1	91.4
day average	30.6	27.7	18.1	9.0	4.9	2.0	0.9	1.2	3.8	7.9	15.3	25.4	12.2
day minimum	0.0	5.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	3.7	6.6	0.0
Cooling													
month Maximum	0.00	0.00	0.00	0.00	0.00	0.00	1.36	5.74	0.35	0.00	0.00	0.00	6.96
month average	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.59	0.02	0.00	0.00	0.00	0.77
month minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
day Maximum	0.00	0.00	0.00	0.00	0.00	0.00	1.36	3.03	0.35	0.00	0.00	0.00	3.03
day average	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00
day minimum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DHW													
month Maximum	131	135	91	65	62	55	52	53	54	67	77	118	875
month average	96	83	78	61	59	53	49	50	52	63	70	83	797
month minimum	80	70	71	56	55	50	48	48	48	59	66	72	762
day Maximum	7.4	7.4	5.4	2.7	2.4	2.2	1.9	2.0	2.1	2.7	4.2	7.0	7.4
day average	3.1	3.0	2.5	2.0	1.9	1.8	1.6	1.6	1.7	2.0	2.3	2.7	2.2
day minimum	2.2	2.1	1.9	1.6	1.6	1.6	1.5	1.5	1.5	1.7	1.9	2.1	1.5
Direct electric													
month Maximum	957	885	411	59	1	0	0	0	0	32	268	868	2612
month average	408	312	143	15	0	0	0	0	0	4	76	270	1228
month minimum	116	31	10	0	0	0	0	0	0	0	6	45	547
day Maximum	69.3	63.3	55.5	13.6	0.6	0.0	0.0	0.0	0.0	12.1	36.4	60.0	69.3
day average	13.2	11.1	4.6	0.5	0.0	0.0	0.0	0.0	0.0	0.1	2.5	8.7	3.4
day minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

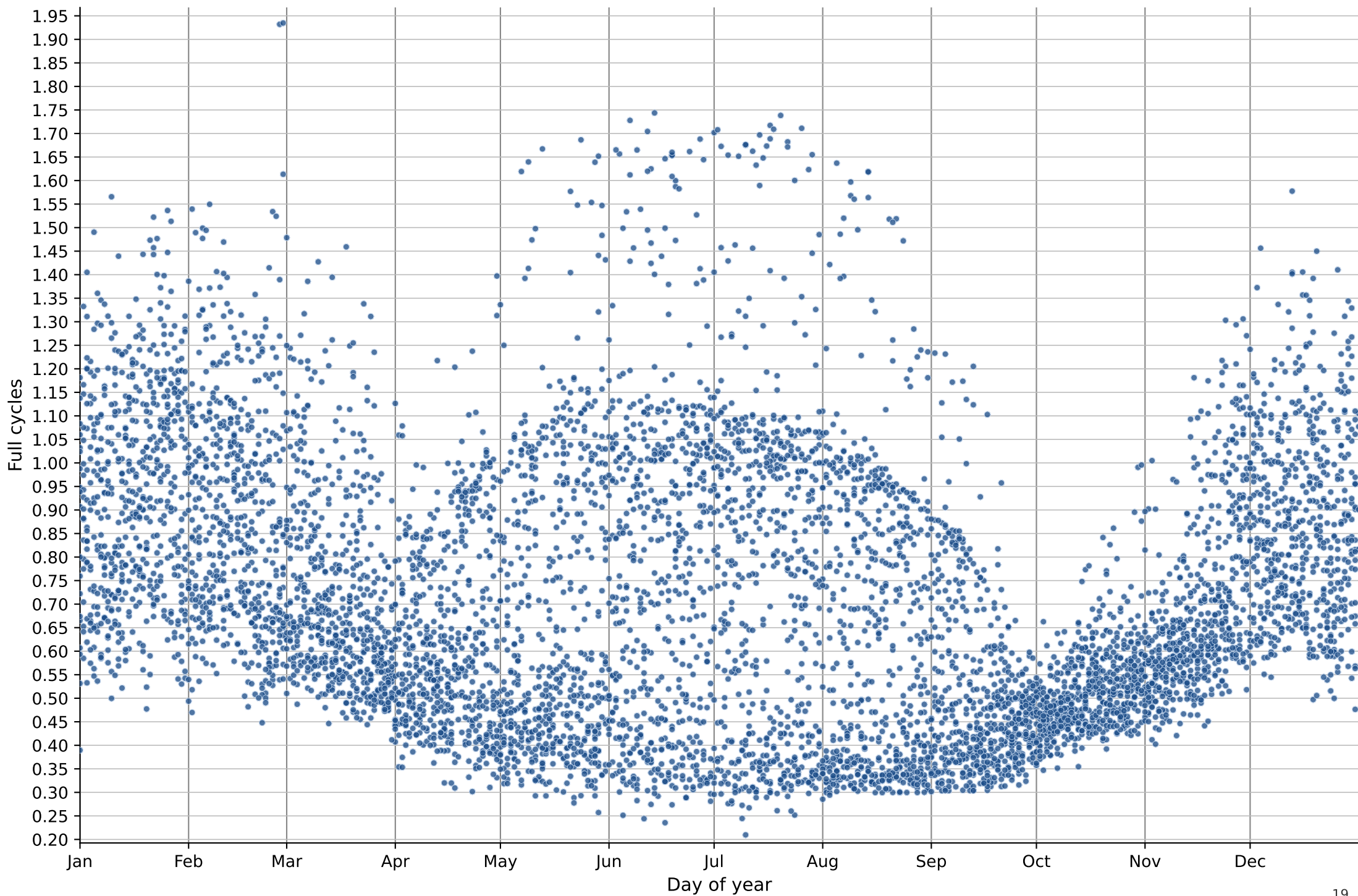
Heating, cooling and DHW are electricity. Direct electric is the part the heat pump could not cover.

Battery
Austria - Inning 48.182, 15.417

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	All
Wasted													
month Maximum	0	0	0	88	64	75	46	36	60	0	0	0	227
month average	0	0	0	46	38	29	20	17	29	0	0	0	178
month minimum	0	0	0	16	20	6	3	0	10	0	0	0	124
day Maximum	0.0	0.0	0.0	22.3	26.3	36.4	20.0	18.9	16.9	0.0	0.0	0.0	36.4
day average	0.0	0.0	0.0	1.5	1.2	1.0	0.6	0.5	1.0	0.0	0.0	0.0	0.5
day minimum	0.0	0.0	0.0	0.0	-0.0	0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	-0.0
Full cycles													
month Maximum	36.14	32.36	27.74	22.03	24.39	27.63	28.40	23.04	17.67	18.15	25.33	33.77	275.10
month average	29.09	25.10	22.17	18.78	20.60	23.24	23.62	19.99	15.10	15.98	20.64	26.95	261.27
month minimum	22.60	18.87	18.14	16.32	16.92	18.52	16.79	16.58	13.30	13.90	17.96	21.44	237.48
day Maximum	1.57	1.93	1.48	1.40	1.69	1.74	1.74	1.64	1.23	1.00	1.31	1.58	1.93
day average	0.94	0.89	0.72	0.63	0.66	0.77	0.76	0.64	0.50	0.52	0.69	0.87	0.72
day minimum	0.39	0.45	0.41	0.30	0.26	0.24	0.21	0.29	0.30	0.35	0.40	0.48	0.21
Charge C													
month Maximum	0.09	0.13	0.15	0.18	0.18	0.18	0.17	0.16	0.15	0.13	0.09	0.07	1.61
month average	0.08	0.11	0.15	0.17	0.17	0.17	0.17	0.16	0.14	0.12	0.08	0.06	1.58
month minimum	0.07	0.10	0.14	0.16	0.17	0.17	0.16	0.15	0.14	0.11	0.08	0.06	1.55
day Maximum	0.09	0.13	0.15	0.18	0.18	0.18	0.17	0.16	0.15	0.13	0.09	0.07	0.18
day average	0.04	0.06	0.09	0.12	0.12	0.14	0.14	0.12	0.10	0.07	0.04	0.03	0.09
day minimum	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
Discharge C													
month Maximum	0.21	0.21	0.26	0.28	0.28	0.28	0.28	0.28	0.28	0.15	0.18	0.21	2.68
month average	0.16	0.16	0.15	0.27	0.28	0.28	0.28	0.28	0.27	0.07	0.12	0.15	2.47
month minimum	0.12	0.09	0.10	0.24	0.27	0.28	0.28	0.27	0.15	0.05	0.07	0.10	2.26
day Maximum	0.21	0.21	0.26	0.28	0.28	0.28	0.28	0.28	0.28	0.15	0.18	0.21	0.28
day average	0.10	0.10	0.08	0.11	0.14	0.19	0.19	0.16	0.09	0.05	0.07	0.09	0.11
day minimum	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03

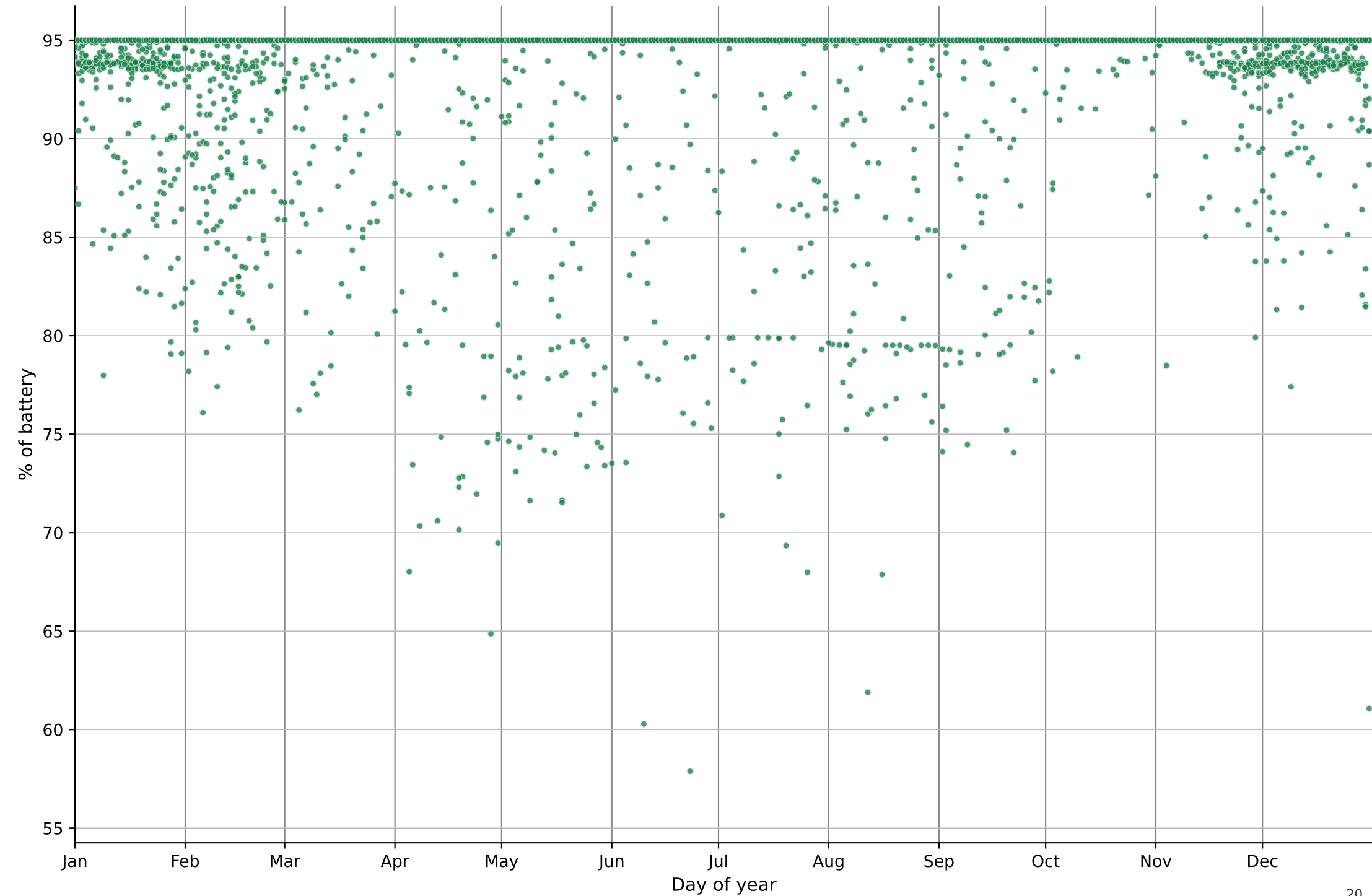
Wasted = PV left when the export price is negative and the battery is full. Full cycles = discharge kWh / 45 kWh. Battery export only into hours whose export price is above 0, highest price first. At 0 cent only P

Battery cycles per day (discharge / 45 kWh)
Austria - Inning 48.182, 15.417



Battery max charge state per day (45 kWh = 100 %)

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Battery min charge state per day (45 kWh = 100 %)
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