

7 Appendix

Supplementary Figures and Tables

This section contains all the supplementary figures and tables referenced in the paper, providing additional insights and supporting information for the main text.

Table S1: Sample of the Weather data set

index	time	temp	dwpt	rhum	prcp	snow	wdir	wspd	wpgt	pres	tsun	coco
44774	12/31/2015 14:00	7.2	1.7	68.0	0.0	NaN	30.0	5.4	NaN	1019.5	NaN	NaN
44775	12/31/2015 15:00	7.2	1.7	68.0	0.0	NaN	NaN	0.0	NaN	1019.9	NaN	NaN
44776	12/31/2015 16:00	8.3	1.7	63.0	0.0	NaN	NaN	0.0	NaN	1020.4	NaN	NaN
44777	12/31/2015 17:00	10.6	2.2	56.0	0.0	NaN	NaN	0.0	NaN	1020.6	NaN	NaN
44778	12/31/2015 18:00	13.9	2.2	45.0	0.0	NaN	NaN	0.0	NaN	1020.9	NaN	NaN
44779	12/31/2015 19:00	15.6	0.6	36.0	0.0	NaN	NaN	0.0	NaN	1020.5	NaN	NaN
44780	12/31/2015 20:00	17.8	-3.1	24.0	0.0	NaN	300.0	0.0	NaN	1019.3	NaN	NaN
44781	12/31/2015 21:00	17.8	0.4	31.0	0.0	NaN	300.0	11.2	NaN	1018.4	NaN	NaN
44782	12/31/2015 22:00	17.2	1.2	34.0	0.0	NaN	300.0	13.0	NaN	1017.9	NaN	NaN
44783	12/31/2015 23:00	16.7	2.3	38.0	0.0	NaN	320.0	16.6	NaN	1017.6	NaN	NaN

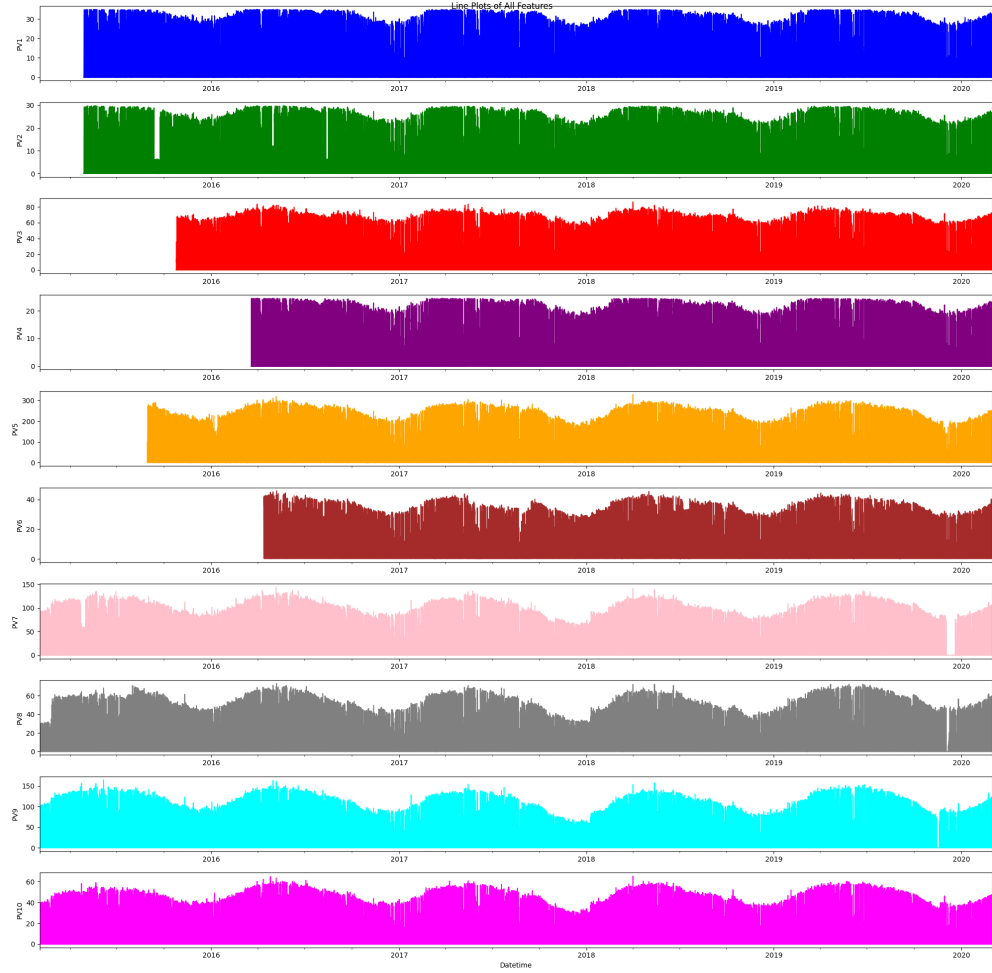


Fig. S1: Line plots of PV Generation data over time

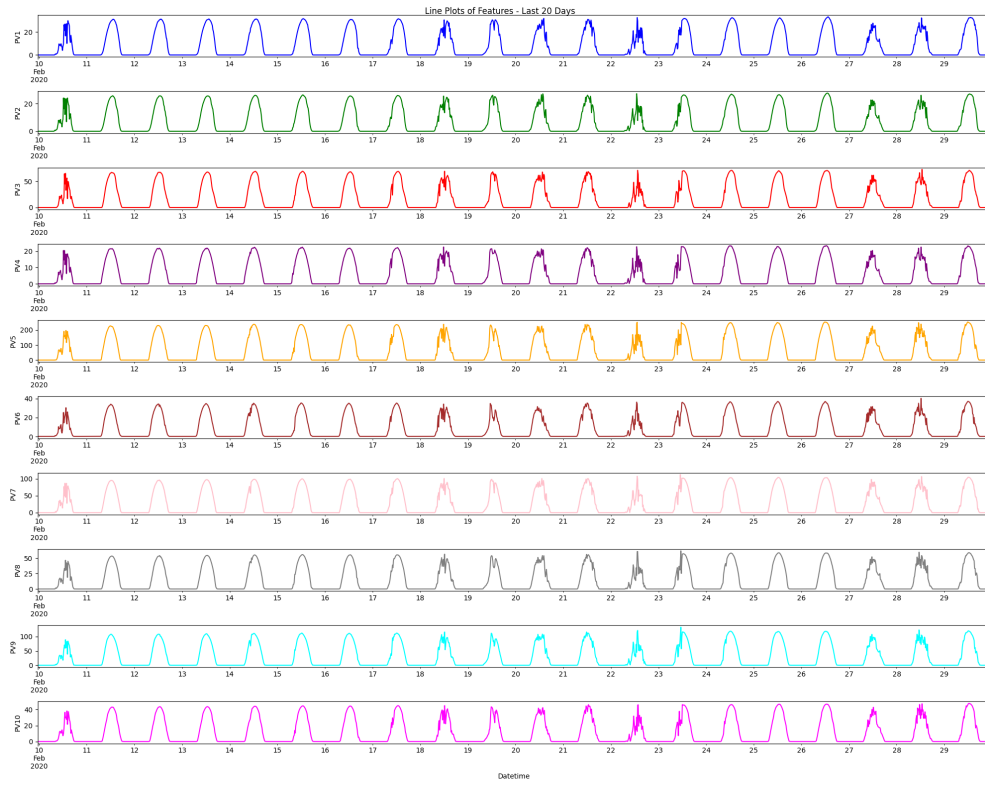


Fig. S2: Sample data of Last 20 days of the dataset (Feb 10, 2020 - Feb 29, 2020)

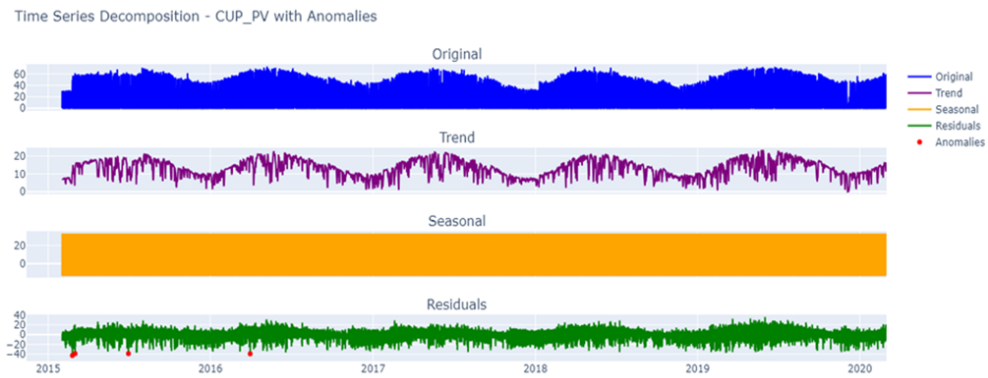


Fig. S3: Seasonal Decomposition plots for *PV8* PV generator

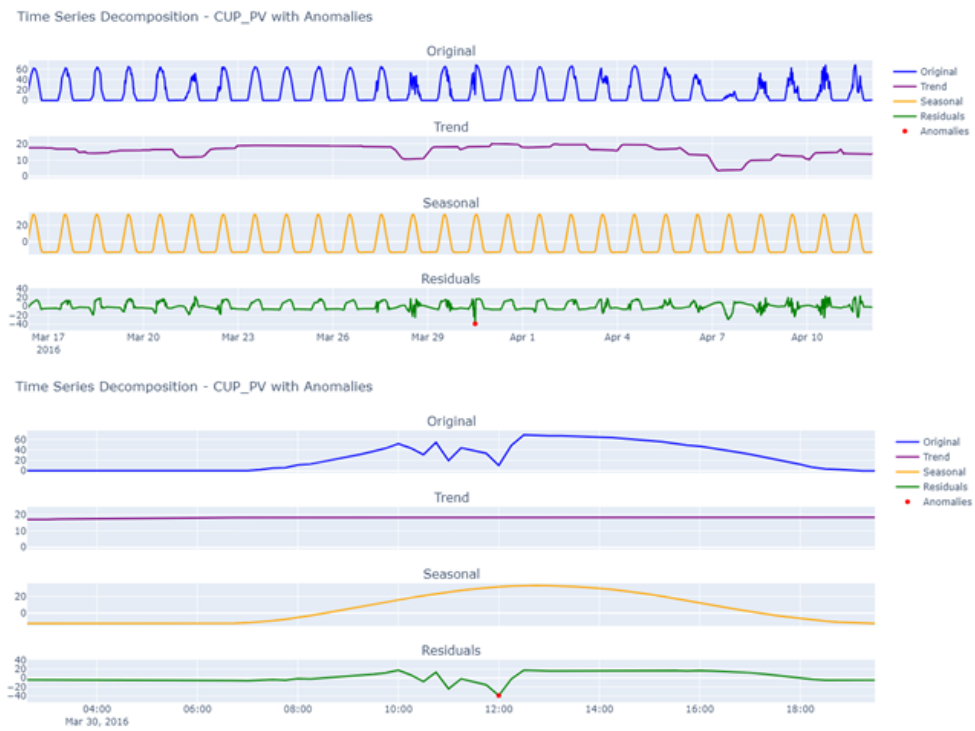


Fig. S4: A random Zoomed view of Seasonal Decomposition plots of [Figure S3](#)