

彰化師大其他建築物太陽能監控系統查詢介面示意圖

Solar Energy Monitoring System Query Interface Diagram for Other Buildings at National Changhua University of Education

為有效管理與追蹤本校太陽能發電效能，本校透過即時監控系統，可即時查詢各校區太陽光電設備之發電數據、歷史統計資料及系統運行狀況等資訊，確保太陽能設備穩定運行並最大化發電效益。

To effectively manage and track the solar power generation performance of our university, the institution has implemented a real-time monitoring system that enables instant access to power generation data, historical statistical records, and system operational status of photovoltaic equipment across all campuses. This ensures stable operation of solar energy facilities and maximizes power generation benefits.

系統網址：http://solarsystem.cyberpower.com/solarV4/id_login.aspx

System URL: http://solarsystem.cyberpower.com/solarV4/id_login.aspx

此監控系統涵蓋本校進德校區及寶山校區各主要建築物之太陽能發電設備，功能包括：

- **案場管理：** 分別建立進德校區與寶山校區案場清單，便於分區管理
- **即時監控：** 提供各建築物太陽能發電即時數據
- **歷史查詢：** 支援年度、月度、日度發電數據查詢功能
- **報表輸出：** 可產出各類發電統計報表

This monitoring system encompasses solar power generation equipment across major buildings at both Jinde Campus and Baoshan Campus, with functionalities including:

- **Site Management:** Separate establishment of site lists for Jinde Campus and Baoshan Campus to facilitate zone-based management.
- **Real-time Monitoring:** Provision of real-time solar power generation data for individual buildings.
- **Historical Inquiry:** Support for annual, monthly, and daily power generation data query functions.
- **Report Generation:** Capability to produce various types of power generation statistical reports.

以本校進德校區教學大樓案場為例，系統查詢介面資料如下所示

Taking the Teaching Building site at Jinde Campus as an example, the system query interface data is presented as follows:

☼案場清單 Sitse listing

📍進德校區 Jinde Campus

Sites Listing

Logout

City:

County:

Order:

Search:

Search

繁體版

English

日本語

ID	Site's Name	PV Capacity(kWp)	Instant Energy(kW)	Daily Energy(kWh)	Daily energy per rated power(kWh/kWp)	Instant Power Used(kW)	Daily Power Used(kWh)	Map
1571	彰師大_進德_教學樓	92.250	21.654	197.1	2.14	N/A	N/A	
1572	彰師大_進德_第七宿舍	181.500	35.378	341.2	1.88	N/A	N/A	
1574	彰師大_進德_學生活動中心	103.950	31.816	204.2	1.96	N/A	N/A	
1576	彰師大_進德_湖濱館;至善館;綜合中心	274.875	115.404	527.4	1.92	N/A	N/A	
1577	彰師大_進德_王金平活動中心	160.650	34.821	326.7	2.03	N/A	N/A	
1578	彰師大_進德_餐廳;學思樓	182.625	31.971	281.2	1.54	N/A	N/A	
1579	彰師大_進德_王金平游泳館	239.400	0.000	0.000	0.00	N/A	N/A	
1580	彰師大_進德_聲洋館	99.375	28.007	204.9	2.06	N/A	N/A	
1581	彰師大_進德_圖書館	133.500	56.831	283.9	2.13	N/A	N/A	
1582	彰師大_進德_巧思館;明德館	154.125	41.161	311.0	2.02	N/A	N/A	
1584	彰師大_進德_白沙大樓	191.625	41.154	348.2	1.82	N/A	N/A	
1586	彰師大_進德_六八宿舍	277.500	39.211	380.7	1.37	N/A	N/A	

Sites Listing

Logout

City:

County:

Order:

Search:

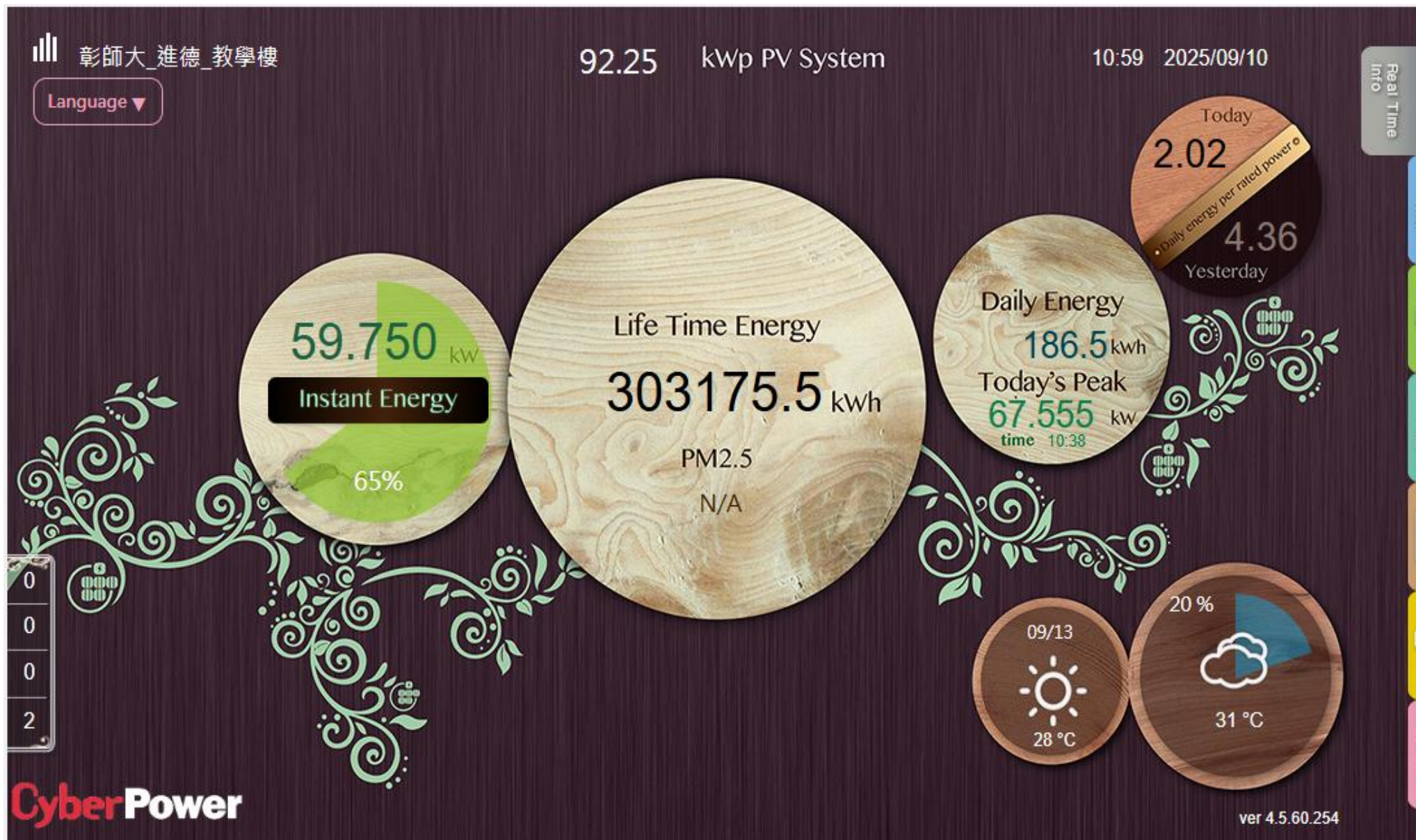
Search

繁體版

English

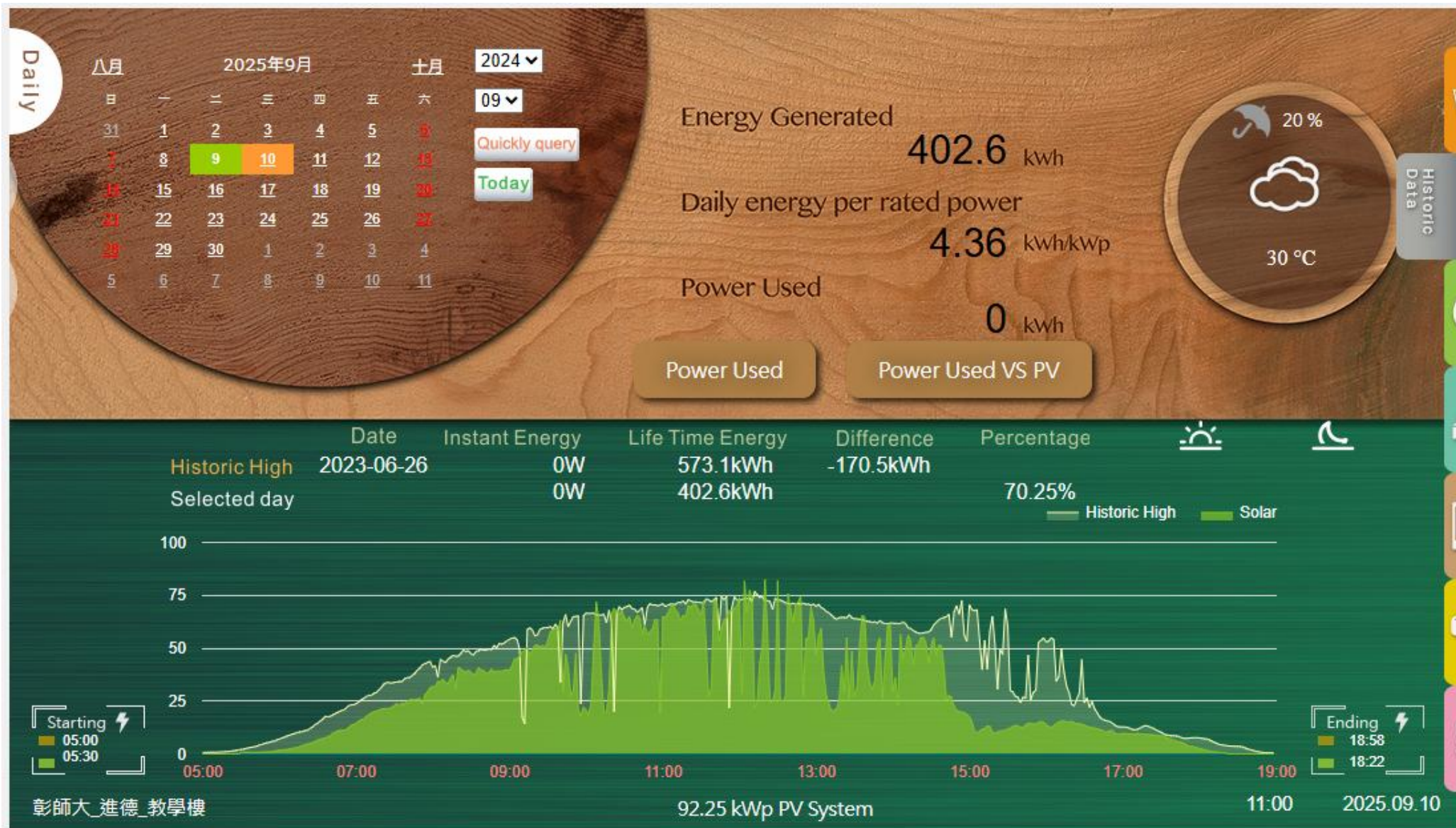
日本語

ID	Site's Name	PV Capacity(kWp)	Instant Energy(kW)	Daily Energy(kWh)	Daily energy per rated power(kWh/kWp)	Instant Power Used(kW)	Daily Power Used(kWh)	Map
1570	彰師大_寶山_第九宿舍	99.750	64.107	301.2	3.02	N/A	N/A	
1573	彰師大_寶山_力行館	148.125	76.582	369.8	2.50	N/A	N/A	
1575	彰師大_寶山_教學一館	69.750	46.266	213.1	3.06	N/A	N/A	
1583	彰師大_寶山_經世館	114.375	79.636	368.8	3.22	N/A	N/A	
1585	彰師大_寶山_工學院	139.500	95.546	451.9	3.24	N/A	N/A	



☼ 歷史資料 History date

☞ 教學大樓 2024/09/09 日資料 Teaching Building Daily Data for September 9, 2024



教學大樓 2024/09 月資料 Teaching Building Monthly Data for September 2024

2024 ▼



Monthly



Monthly energy generated

10893.7 kWh

Daily energy per rated power

3.94 kWh/kWp

Power used this month

0 kWh

Average daily power used this month

0 kWh

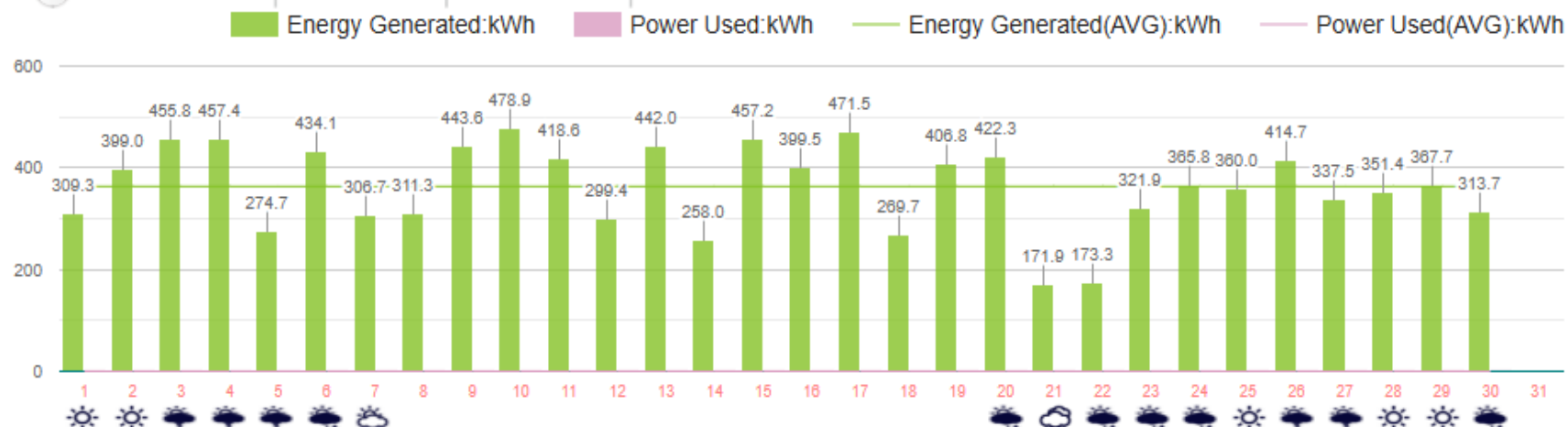
Historic Data

Energy Generated vs. Power Used

Energy Generated

Power Used

consumption analysis



彰師大_進德_教學樓

92.25kWp PV System

2025/09/10

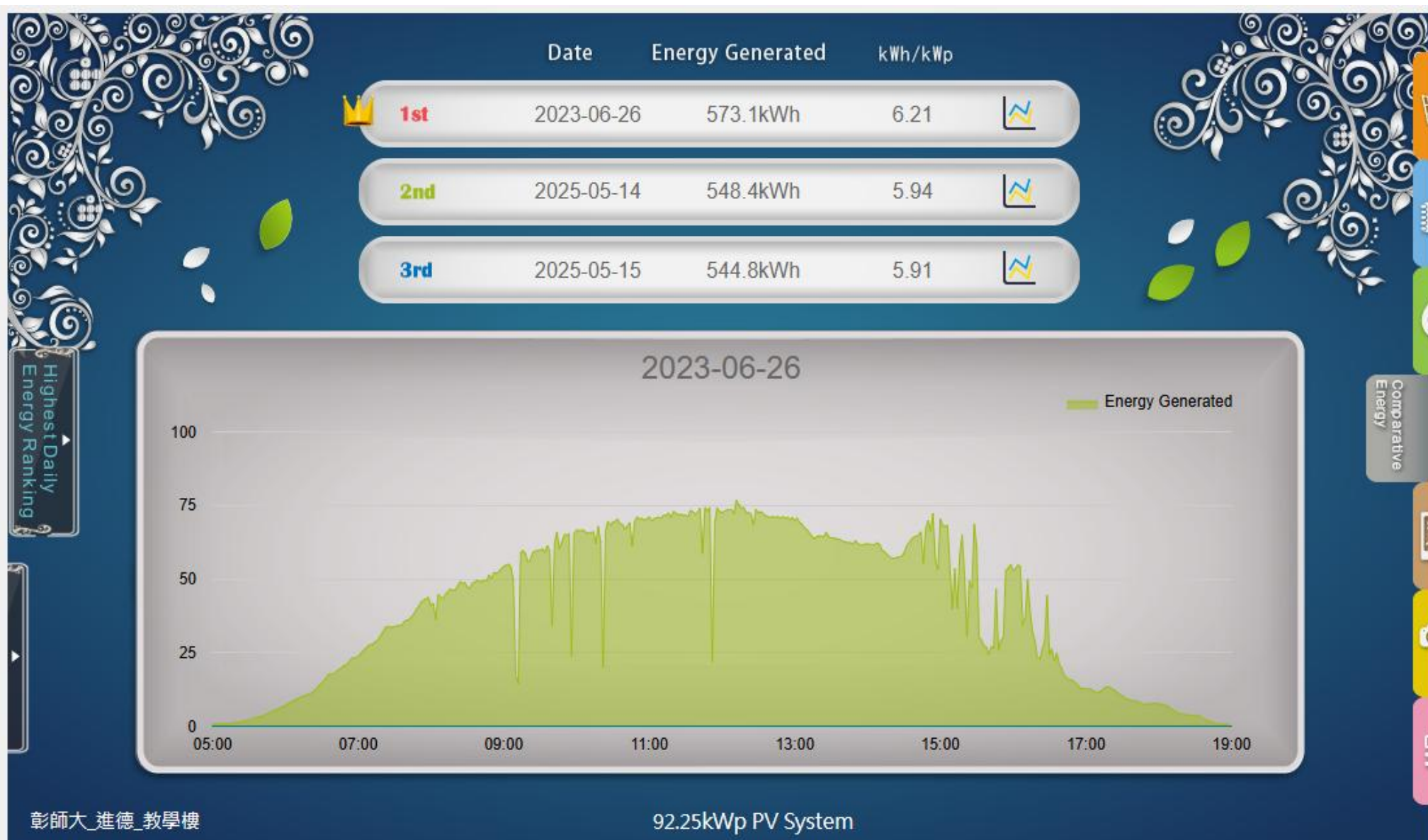
© SunEdgePV 沅碁光電 監控系統

教學大樓 2024 年資料 Teaching Building Annual Data for 2024

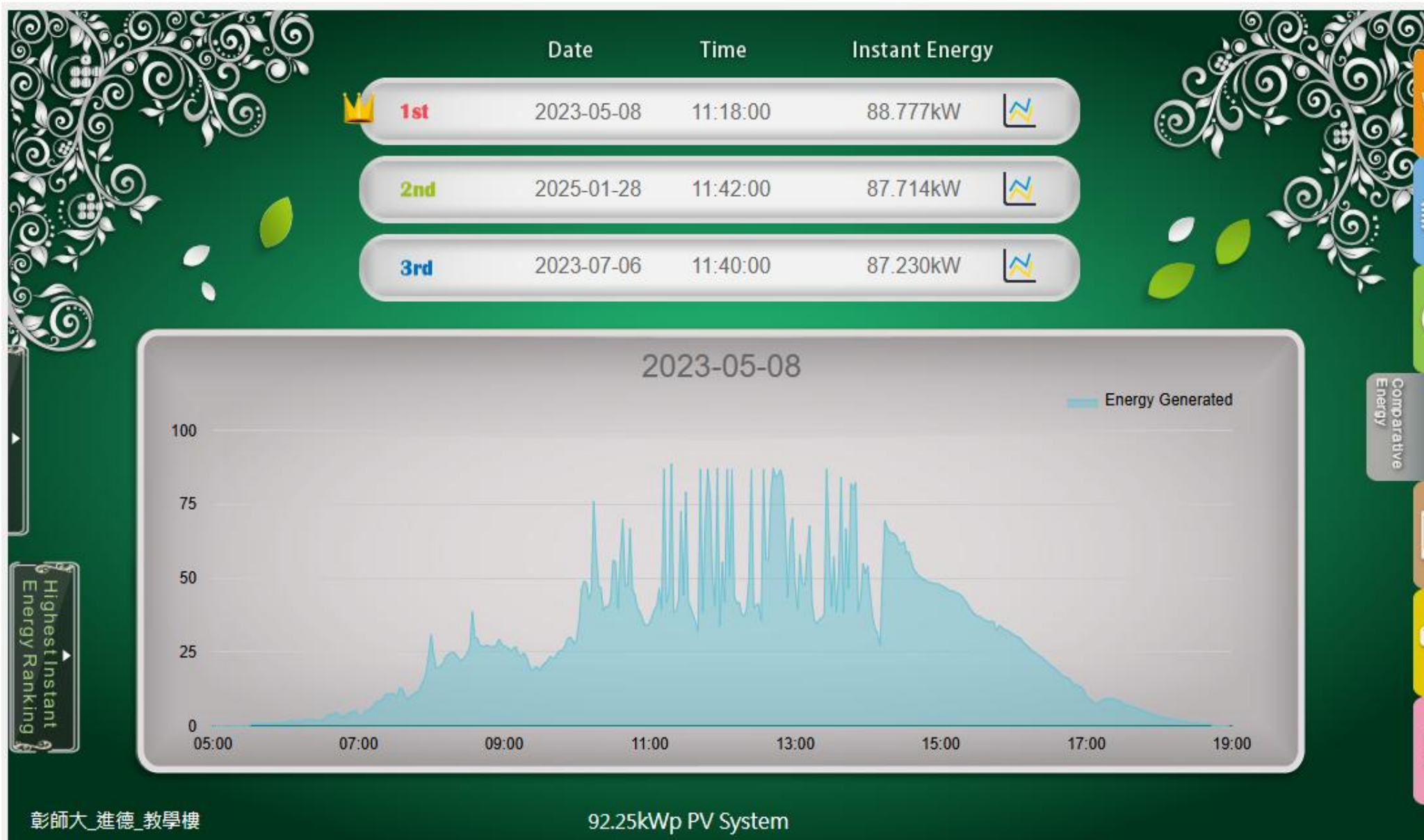


✧ 歷史排名 Comparative Energy

👁 日發電量排名 Highest daily energy ranking



☞ 瞬間發電量排名 Highest instant energy ranking



☀️環境貢獻 Environmental Benefit

Instant Energy 37.813 kW
Daily Energy So Far 189.4 kWh

Accumulated Energy Generated 0 kWh

LED
20w



Instant Energy
1890.7 units
Daily Energy
9470 hours

Desk Lamp
30w



Instant Energy
1260.4 units
Daily Energy
6313.3 hours

Fan
50w



Instant Energy
756.3 units
Daily Energy
3788 hours

LCD TV
200w



Instant Energy
189.1 units
Daily Energy
947 hours

Desktop
350w



Instant Energy
108 units
Daily Energy
541.1 hours

Hair Drier
900w



Instant Energy
42 units
Daily Energy
210.4 hours



CO₂ Emission Saved

0 kg

This figure is calculated based on the carbon dioxide emission data from Taichung Coal-fired power plant.

0

Reproduction area (ha)

Reporting Service

Revenue Estimate Maintenance System Inverter Information Tracking System

- Inverter raw data 2025-09-10 VMENT5000009
- Periodic energy 2025-09-10 2025-09-10
- RA daily raw data 2025-09-10
- Inverter Analysis Report 2025-09-10 All 05:00:00 19:00:00
- Inverter Monthly Analysis 2009 1
- Inverter with Pyranometer Analysis All 2025-09-10 2025-09-10 Inverter
- PV statistics by hour 2025-09-10 2025-09-10

Advanced Function

彰師大_進德_教學樓 92.25kWp PV System 2025/09/10

Inverter Analysis Report



Choose Date : 2024-09-01

Group : All

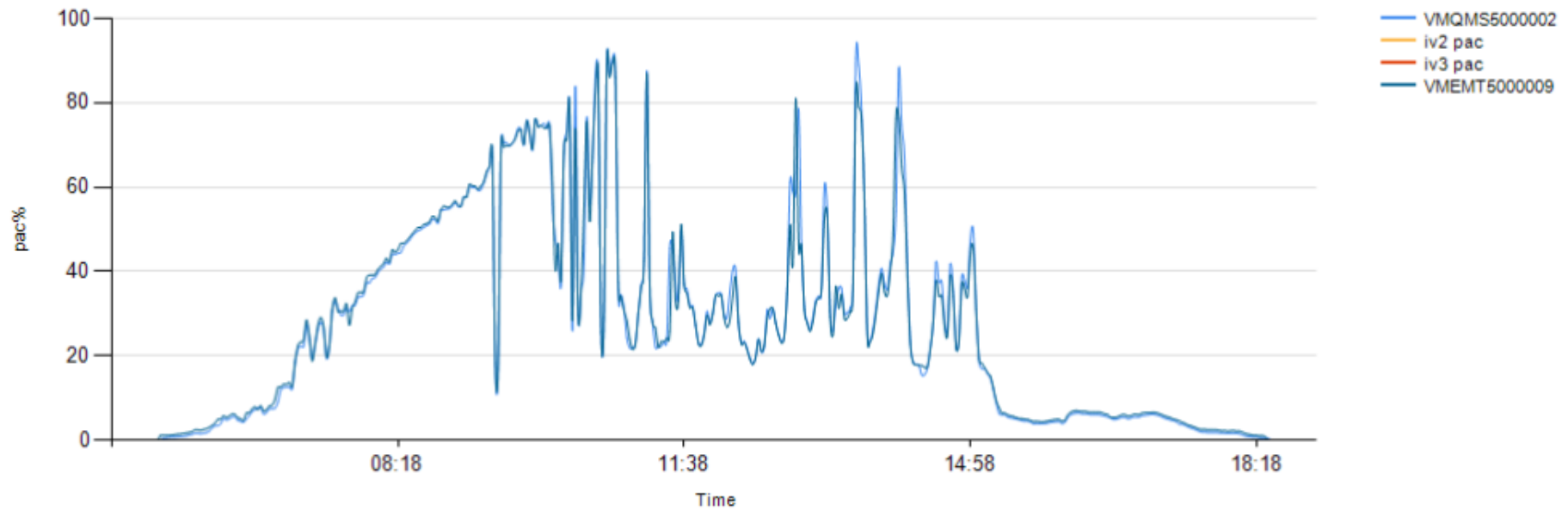
Start : 05:00:00

End : 19:00:00

CyberPower Cloud Report Service

Date : 2025-09-10

Inverter Diff Percent



Rank	SN	Model	Description	Real kw	today	Avg kwp	Diff Percent	Avg temp	Top temp
1	VMQMS5000002	CPSPV36000IV	02	36000	129.8	3.61	0.00	42.9	56.5
2	VMENT5000009	CPSPV50000	01	50000	179.5	3.59	-0.55	41.3	54.5

Inverter Monthly Analysis



Choose Year : 2024

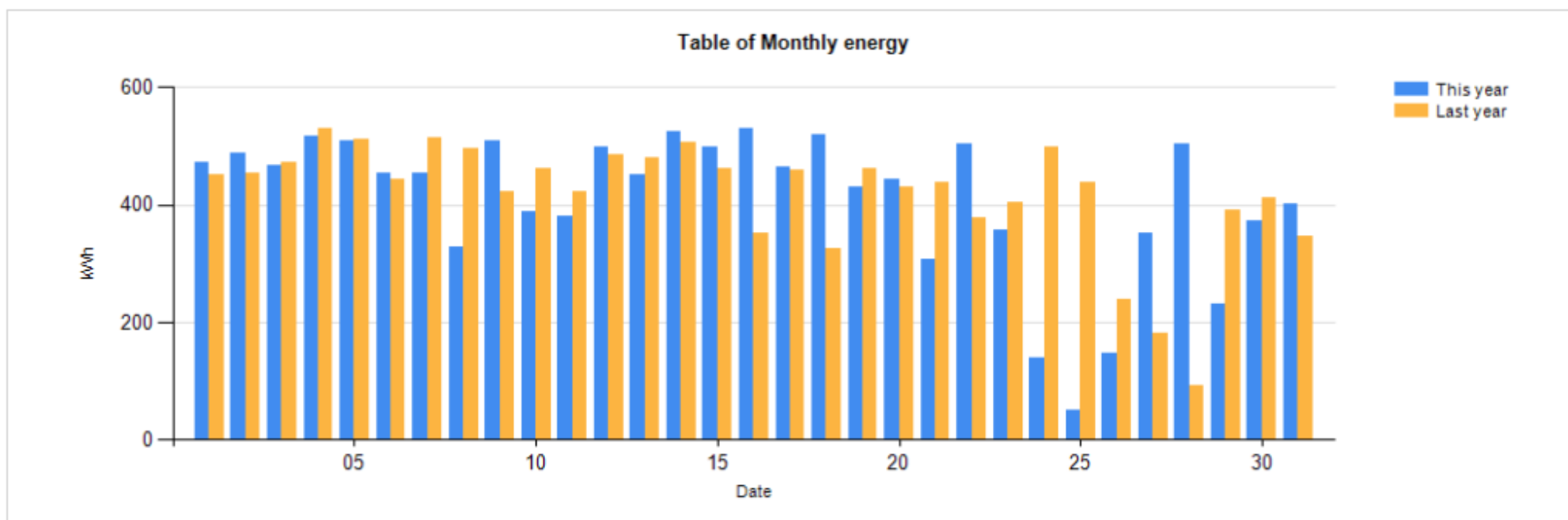
Choose Month : 7

Yearly energy : 125424.9 kWh

Total Energy : 303139.1 kWh

CyberPower Cloud Report Service

Date : 2025-09-10



Rank	SN	Description	Model	Real kw	E -Total	Avg kwp	Diff Percent
1	VMQMS5000002	02	CPSPV36000IV	36000	5485.9	5.08	0.00
2	VMENT5000009	01	CPSPV50000	50000	7200.3	4.80	-5.51