

Energy Monitoring & Analysis System

Version 5.1

APsystems

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Introduction

The APsystems energy monitoring and analysis system is a monitoring website designed and launched by APsystems that integrates registration, monitoring, operation and maintenance, and management. It is aimed at PV professionals (installers) and enables them to quickly locate customers who need to be managed, monitor the operation of their systems, and remotely tune the operating parameters of their systems, helping PV professionals (installers) to reduce operation and maintenance costs and improve operation and maintenance efficiency.

1. Log onto EMA Website

- Go to http://apsystems.com/
- > Click the orange "EMA Login" in the upper right corner of the screen to enter the EMA login page,



The APsystems EMA Login page is displayed.



Note

- You will be issued a permanent *login account* and a temporary *password* when you complete the Installer Training of APsystems. Contact APsystems Technical Support to register for Installer Training (go to https://usa.apsystems.com/resources/training, or call 1.844.666.7034)
- The Password is case sensitive.
- If you forget your password, select "Lost your password? Click here ..."
- Enter your "Login Account" and "Password"
- Press the "Login" button.

2.1 Review the Customer's Dashboard

Your specific Customer List page is displayed.

K	APsyste	ms		USER LIST	REGISTRA	TION	SETTING					More	0	ptions		System Stat	US Settings 1 Sign
NY_II	NSTALLER_EUROF	PE - CUS	STOM	ER LIST													
Cu	stomer Account	*				ECU ID		7			More Options	DFF Q Qu	iery	Export All			
ID	Customer Account		÷	ECU ID	÷	Name		\$	Country/Region	ŧ	State 🜩	City	¢	System Size(KW) 👙	System Type	Register Date	* System Status
1				216					Netherlands		Noord-Brabent	1000		2.43	Photovoltaic	2023-03-29	
z				216					Germany		Nordrhein-Westfalen	10		2.00	Photovoltaic	2023-03-29	۲
3				2162			100		France		Auvergne-Rhöne- Alpes	1 P		2.46	Photovoltaic	2023-03-29	۲
4				2163		-	a		Germany		Sachsen	-		1.20	Photovolteic	2023-03-29	۲
5		_		2163		-	-		Netherlands		ZuidHolland	1		0.80	Photovoltaic	2023-03-29	۲
6				2163		-	-		Germany		Nordrhein-Westfalen	-		2.40	Photovoltaic	2023-03-29	۲
7				2150		-			France		Auvergne-Rhöne- Alpes	-		2.25	Photovoltsic, Meter	2023-03-29	٠
8	-			2163		-			Germany		Nordrhein-Westfalen	-	0	1.60	Photovoltaic	2023-03-29	۲
9				2160		100	100		Netherlands		Noord-Brabent	ani -		5.40	Photovoltaic	2023-03-29	۲
10				2163		-			Netherlands		Zeeland	-		1.62	Photovoltaic	2023-03-29	۲
11				2163					Germany		Nordrhein-Westfalen			0.75	Photovoltaic	2023-03-29	۲
12	-			2163		100			Germany		Brandenburg	Concession of		1.20	Photovoltaic	2023-03-29	۲

System Status

Working normally.

Some micro-inverters communication interrupt since beginning of day.

Some micro-inverters have not been properly registered.

ECU disconnected from internet.

The system has never reported production data

ter opening									
.e. epening	"More O	otions",	you can	get more filt	er items.				
	USER LIST	REGISTRATION	SETTING					English) Settings Sign out
Customer Account		ECU ID	Ψ.	More Op	tions ON	Q Query	Export All		
Customer Account *	All	ECU ID	*	More Op System Type Shu	tions ON red ECU users Electr	Q Query	Export All		
Customer Account * Country/Region/State System Status	All .	ECU ID T All ()	•	More Og System Type Shi	red ECU users Electr	Q Query	Export All		
Customer Account * Country/Region/State System Status Customer Account	All	 ECU ID All • • • Name	* * \$	More Op System Type Sh Country/Region \$ State	red ECU users Electr	Q Query	Expert All gy storage users System Type	Register Date	▼ System Status 🕢
Customer Account * Country/Region/State System Status D Customer Account	All	← ECU ID → All ● ® ↓ Name	*	More Oy System Type Sh Country/Region & State Netherlands Noord-Bra	red ECU users Electr	Q Osery Energy E	Expert All gy storage users System Type Photovoltaic	Register Date 2023-03-29	 System Status 9
Customer Account Country/Region/State System Status D Customer Account 1 2	All All ECU ID 2160 2163	ECU ID ▼ All ● ® + Name	*	More Oy System Type Shi Country/Region \$ Share Netherlands Noord-Bra Germany Nordrhein	réd ECU users Electr	Q Datery E ic meter users Ene \$ System Size(KW) 2.43 2.00	Export All sy storage users System Type Photovoltaic Photovoltaic	Register Date 2023-03-29 2023-03-29	▼ Syssen Status () () ()

Select the customer you want to review from the customer list.

The installer's view of the customer's Dashboard is displayed.

											User: QS1200	Curren
	System Time: 2022-05-27 11:21:22	5.79 CO2(t)	wb)	7.88 LifeTime(M	8	1.93 Today's energy(kWb)		Normal System Status	0		DASHEDARD	*
×	SYSTEM INFORMATION										MODULE	
						Q Query	*	Current Power Curve	Data Type	~	REPORT	
	The second state				ver Curve	Current Pow				~	HISTORY	
	\$ 7 7 7 7 1 7 1 7 1								1500	~	REMOTE CONTROL	r
	♀ 需兴 Zhejiang China's Mainland									~	DIAGNOSE	
	Create Date 2018-11-29		-						1000	~	USER REGISTRATION	ac.
	Inverter Type OS1			/					Power		BACK	=
	Module Type unknow				/				500		18/	
	Grid Type 120V Single-phase											
Ŷ	CONTACT INFORMATION	09:30	08:40	07:55	07:20	06:45	05:10	05:00 05:35	a a			
	APsystems		Action	Power (w)	Current Po	ergy (kWh)	Today Er	ECU ID	Status			
	ALTENERGY POWER	Statur	Detail		1279		1,93	216000001615				

Note

While you are viewing the customer's system data, it is presented differently than the System Owner's view.

Customer View for Comparison



Data Type	Data reporting period; Power for the current day, daily power for the current month, monthly for the current year, and yearly for the lifetime of the system.
Power Curve	Graphic representation of each of the data types.
System Date/Time	The date and time at the array location.

4

Personal Information	The customer's personal information.
Today's Energy	The amount of energy produced for today's date – expressed in kWh.
Current Power	The amount of energy being produced at this given time – expressed in watts.
Action	A short cut to ECU reporting (Detail) and reviewing the ECU status.
Installer Contact Information	The installer's contact information. This information shows up on your customer's view of their account.

Note

You can check power production at any given point along the "Power Curve" graphs by moving the curser to the specific time or date in question.



2.2 Review the Customer's Modules

Select "MODULE" in the left side bar.



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The Module Performance page is displayed.

Group View Name	Pulldown of the group names associated with this account.
Viewing Period	Viewing period selection; Power for the current day, and daily energy over the last 30 days.
Query Date	Select date you want to review.
Timeline Controller	Advances the Timeline Marker on the timeline.
Panels/Modules	A graphic representation of how the array is laid out. The number in the center of each module represents the power being generated by the module at the current time – expressed in watts/DC.
System Performance	Graphic representation of the power being generated by the entire system during current viewing period.
the Timeline	
Timeline Marker	Time indicator for timeline. Power is simultaneously displayed on the panels/modules. There are two ways to display power across time; One, select the time period and press the "Timeline Controller", and two dragging the timeline marker across the timeline to view a specific production time.

Continued ...

A Note

Detailed information on each module can be reviewed by clicking on the module.



Navigation Window

Search Button	Fuzzy search for inverters by UID number or search for inverters by location
Zoom Out Button	Panels/Modules become larger.
Zoom In Button	Panels/Modules become smaller.
Navigation Window	For large systems, it is possible to quickly locate the corresponding panels/modules positions.
Enlarge View	Enlarge the whole view, hide the panel/module information, the timeline and the navigation window below.
NC	Inverter device without communication.

Continued ...

2.3 Review the Customer's Systems Reports

Select "REPORT" in the left side bar.

W DALSHOULK VICK VICK DALSKOUK DALSKOUK <th>Curré</th> <th>nt Uper; YC600</th> <th></th> <th>PCU- 21500</th> <th></th> <th>121</th> <th>0576.1</th> <th></th> <th>7 Pa</th> <th>entin Brodal</th> <th></th> <th></th> <th>122.02.18</th> <th>2</th> <th>Time 121</th> <th>07-40 D</th> <th>au const</th> <th>-</th> <th></th> <th></th> <th></th> <th>2</th> <th>0</th>	Curré	nt Uper; YC600		PCU- 21500		121	0576.1		7 Pa	entin Brodal			122.02.18	2	Time 121	07-40 D	au const	-				2	0
III ALCONARDA 1171 1161 1162 1161 1174 1165 1171 1174 1174 1174 III ALCONARDA 02	#	DASHBOAR		CON LIVE	-		overal .	-		en in celler)	-			-	1000.121	nau P	ay speed.		-	~			~
INDORT - 02 07	ш	MOON		173	164	165	164	166	164	174	165	167	164	167	168	171	174						
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O [©] USER REGISTRATION → USE	ıDi.	DIAGNOSE	. in.	164	164	16.2	16.4	110	167	170	109				112	100	164						
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Panel information:				VID: 409	00/1	M	odule Type	unknow			_	-	-			~ ~	L	m	 2.10	110	233	223	

The sub-menu areas are displayed under "REPORT".



2.3.1 Summary Reports

Select "SUMMARY REPORT" under "REPORT" in the left side bar.

The Summary Report page is displayed.



Graph of Yearly Production Details by Month

Table of Yearly Production Details by Month

Note

The savings reflected in the Production/Cost Savings timeline are calculations based on the utility company's price per kWh at this location. The price per kWh is entered in the "Price Per kWh" field in the timeline.

2.3.2 ECU Reports

Select "ECU DATA" under "REPORT" in the left side bar. \triangleright

The ECU level data page is displayed.

	10 1	, Data Repor	ting Period Quary	Expor	t Button
APsystems	USER LEST REGISTRATION	o Serring	/	Date	English i Semiegs i Se
ent User: QS	ECH DATA		/		
DASHBOARD	ECU ID 21000 *	Data Type Power in Day	Date 2022-05-05 Q	Query 💽 Ergant	
KEPORT -	2000		Power Curve for 21600C a 2022-0	95-05	
SUMMARY REPORT ECH DATA	1730				
DOWNLOAD NEPONT	1250	/			
NEMOTE CONTROL ~	Powert(w)	_/		1	
DIAGNOSE	760				
BACK	500	1			
	256				
	05.09	08:04	10.39 POV	ver Production G	18:54

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Data Reporting Period	Data reporting period; Power for the current day, daily power for the current month, monthly for the current year, and yearly for the lifetime of the system.
Query Date	Select date you want to review.
Export Button	Exports the data in a spreadsheet format.
Power Production Graph	Graphic representation of the system's power production over time.

2.3.3 Inverter Reports

The Inverter Level reports are used to analyze module power (DC – power/watts, volts, and current/amps), grid parameters (AC volts, frequency, and temperature).

Note

This reporting area is extremely useful in troubleshooting inverter problems.

Select "INVERTER LEVEL DATA" under "REPORT" in the left side bar.

The inverter level data page is displayed.



Select inverter ID you want to review from the Inverter ID pulldown.

The data graphic for the selected inverter ID is displayed.

Inverter ID Pulldown field for viewing and selecting the inverter IDs associated with the account.

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Data Type	Data reporting period; power for the current day, daily power for the current month, monthly for the current year, and yearly for the lifetime of the inverter.
Comparison Toggle	ON and OFF toggle for comparing the data/performance of more than one inverter or data level.
Query Date	Select date you want to review.
Data Level	Pulldown field for selecting AC or DC data by channel.
Data Graph	Graphic representation of the selected data types and data levels overtime.
Data Toggles	Used to toggle Data Levels graphs ON or OFF.

1) Examples of Inverter Data Graphs



Note: Click the element of legend to show or hide the corresponding line.P = Power, V = Voltage, I = Current

Note

The following in the example above:

Data Type: Power for the current day.

Inverter ID: Different types of inverters will have different numbers of channels.

Data Level: DC Power/Watts, Volts, Current (Amps). Data options will vary depending on the inverter device

Comparison: OFF (so only seeing one inverter channel and/or data level)

You can see power levels for a specific time by dragging the cursor along the graph.



2) To view the AC (grid) parameters on the same channel for the same inverter

Select "OUTPUT" in the "Data Level" pulldown.

		Dat	ta Lev	el Pulldo	wn			AC Frequen	су	
•	APsystems	US	en ust	EGISTRATION MANA			ts		English i Se	ntinga (Sign ext
Curre #	DASHBOARD	INV	ECU ID	21500 +	Data Type Performan	n e in Dey + Cor	npare OFF	/		
	10000		invener ID	406500	Data Level OUTPUT					
	SUMMANY REPORT Echedita Erengy metrenne Ryy <mark>kfer daim</mark> Download Report		200	iiii 2022-02-47	Q Guery 💽	Enpert 4050000.	OUTPUT Performan;	e in 2022-02-17		٩
8	HISTORY	- '	100				+			
+	REMOTE CONTROL	-	1							
101	DIAGNOSE	~	0 06.47		08:02	01	117	10.3	11:47	
\mathbf{Q}_n^d	USER REGISTRATION		Celeri dii / Unia	inct All		(AC·V)	- AC-F - T			
п	BACK	Not	e: Click the elec	sent of legend to show or t	hide the corresponding line, V +	Voltage, F = Frequency, T = Ten	perature, AP = Active Powe	r, RP = Reactive Power	\mathbf{i}	
						In	verter Ter	nperature	Output Power	

You can see parameters for a specific time by dragging the cursor along the graph.



3) To compare the data levels for two different inverters

- Turn ON the "Compare" toggle.
- Select the inverters you want to compare.

Note

You can select the same inverter and compare different channels if required.

- Select the Channels you want to compare.
- Select whether you want to compare DC or AC.

The graph with both inverter data levels is displayed.



Note

You can toggle graph data elements ON and OFF by using the Data Toggles if needed for clarity of the data.

Note

The "Report" of a system with a smart electricity meter installed have additional "Energy Usage" reports and "Energy Analysis" reports compared to pure photovoltaic systems. The "Energy Usage" report and "Energy Analysis" report are shown in the figure below.

Energy Usage



Energy Analysis

					Data Type	2	Query Date			
¢.	APsystem	ş	USER LIST RECIST	RATION SETTING	<u>*</u>				English I S	iettings (Sign out
Curr #	INT USER YCSU. DASHEGARD MODULE		ENERGY ANALYSIS	+ Deta Typ	n Dierry in Day	• Dete 💮	2022-05-05 Q timey	El Export		
-	MERONY DEBIGY USAGE PV SUMMARY THEREY MALVIS PV DATA HWEATER DATA		Pysductian	tiar(Ma) 4E 2k		Energy o	ave for 21500000 in 2022	05-05		
10 × 10 %	HISTORY REMOTE CONTROL DIAGNOSE USER REGISTRATION	1 4 C 4	Censumption	-21. -21. -21. -21. -21. -21. -21. -21.	13502 10402 15505 1	16:05 107:05 06:05 06:05 1	ios tios rizos tidos tidos	1505 1805 1705 1805 19	2015 20105 21105 22205	23:06
1	BACK		C Produ	ced 95.16 vm	e ćo	323.89 tim	Epon	d O Lives	emported 228.	73 iviii.

Data Type Data reporting period; power for the current day, daily power for the current month monthly for the current year, and yearly for the lifetime of the energy metering.

Query Date	Select date you want to review.
Produced	The power generated by solar panels.
Imported	The power source provided by utility companies.
Exported	The solar panels provided power to the utility grid.
Consumed	The amount of power being used by appliances.

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2.3.4 Download Reports

The reports in this area are detailed numeric reports that can be exported to a spreadsheet.

Select "DOWNLOAD REPORT" under "REPORT" in the left side bar.

The Download Reports data page is displayed.

APsystems		ECU ID Pulldown	Type Pulldown English Sertings Signatur
Carrent Daer: 01 Carrent Da	DOWNLOAD REPORTS Note: This report includes hourly production data for ab Data Type PV Data Data 2022-05-27 New 8	e selected date Please contact the final area inclinical support if any quests. ECU ID 2160 + Type Hearly Tem Q. Comp Exergin(kMI) 0	197
HEITORY - REMOTE CONTROL CONT	Query Date	Query Button end end end end end end end end end en	Export Button
ECU ID Pulldown	Pulld	own field for viewing and sele	ecting the ECU ID.
Type Pulldown	There • • • • •	e are a number of report "typ Hourly Energy for the day Detailed Daily Energy for a we Meter Hourly Energy in Mont Daily Energy for a specified pe Daily Energy for a specified ye Weekly Energy for a specified Monthly Energy for a year	ees" you can select. eek (prior to the Query Date) ch eriod ear I year

Query Date Select date, or data range where appropriate you want to review

Query ButtonThe "Query" activates the reporting process for the Type and
Date(s)You have selected.

Export Button Exports the data in a spreadsheet format.

A Note

The "Download Report" of a system with a smart electricity meter installed has one more "Energy Analysis" report than the pure photovoltaic system. The "Energy Analysis" page is shown in the figure below.

Energy Analysis

6	APsystem	S	USERLIST	RECISTINATION SE	C ITING					English i Settings i Sign-out
Cum	DASHBOARD		DOWNLOAD F	EPORTS	every 5 minutes for the a	elected date.Ple	nase contact the local	eren technical sup	port if any quests.	
=	MODULE		Data Type	Evergy Analysis	· ECUID	2150.		Type	Energy in Day	
	ENERGY USAGE		Date	2022-0	5-27	Q, Query	E Expert			
	ENERGY ANALYSIS		Tina	Produces (W	n)		Consumed (Wh)		Exported (Wh)	Imported (Wh)
	PV DATA		00.01	9.12			9.37			6.25
	INVERTER DATA		00.05	0			3.13			2.13
	DOWNLOAD REPORT		00.11	8.25			12.5		8	6.25
	HISTORY	×.	00:16	0			3.13			3.13
×	REMOTE CONTROL	-	00:21	9			2.13			3.13
-	DIACNOSE		00:26	3.13			0.26		0	3.13
	-		00:31	0			0.25			6.25
05	USER REGISTRATION	~	00:36	3,13			6.25			3,13
	BACK		00:41	3,12			9.37			8.25
			00:45							

2.4 Reviewing System Maintenance History

Select "HISTORY" in the left side bar.

The sub-menu areas are displayed under "HISTORY".

HISTORY +	Sub-Menu
ECU HISTORY	
INVERTER HISTORY	

2.4.1 ECU History

Select "ECU HISTORY" under "HISTORY" in the left side bar.

The ECU History page is displayed. **Create Date** Lifetime Energy ECU ID **Replace** Date 匣 .0 211-13-1 Directions ECU ID List A list of all of the ECU that have been on the system. Create Date The date the ECU was activated on the EMA. Replace Date The date the ECU was replaced and edited on the EMA. A history of the amount of energy (expressed in kWh) produced while Lifetime Energy the ECU was on the system. Documented replacement of old and new ECU equipment. Directions Note

Clicking on the ECU ID in the ECU ID List allows you to review power production from the date the ECU was first activated on the EMA.

2.4.2 Inverter History

Select "INVERTER HISTORY" under "HISTORY" in the left side bar.

The Inverter History page is displayed.

		Inverter ID List	Create Date	Replace Date	Directions
APsystems					APS DEAD Santhe Machineties Linked Review
Current User APSATest	Inverter History	1. The Charles Barles in the Readow Barl is it was a permission if modify this immers for poor commer in 1884 software	n (Sali anthe Innerne il pas sould get an desche et his tenener		
III NOULE	INVERTER HISTORY LIST				
			Constant .	-	
EDM-HODAY	1	1117284 C	2014-15-32	3116-12-16	Leine ·
WEATING MICHARY	2	#10005-0646-1	2004-25-22	315-00-06	2dex
F MINITI CONTROL		51200900016-0	3014-85-82	311545-0	Editor -
C) DADAGE		tanionautes r	3034-85-82	2875-02-02	244
OC USER REDEFINITION .		UNICODARIAS - 1	0004-00-00	2816-12-66	Lána
D BACK		BEAUERABUSE A	2014 12 12	1814 12.06	Déda
	· *	50500800034-4	2014-09-02	2814 12:08	Idule
		ADALCEDARIZE S	2014 19 10	2214 12 16	Debde
	7	SERVERSANCE 3	2014 19 42	3214 12 08	Debte
	10	ALACCEMENTS) &	2014-13-02	3214 12 44	Déute
		92800890010-2	2014-15-02	2213-05-12	Déda:
	12	ALACOMANDO S	2014-13-02	2114 (2-0)	Salate
	18	practices and a second se	2014-05-02	2314 (8-18	beise
	14	93809999801-4	2014-15-02	38/18-12-06	Edite
	15	BERCEBBRAN B	2014-15-02	2214-08-08	béste
	Naplaying 1 to 15 of 88 hours				2 2 3 4 8 8

Inverter ID List

A list of all of the inverters that have been on the system.

Create Date	The date the inverter was activated on the EMA.
Replace Date	The date the inverter was replaced and edited on the EMA.
Directions	Documented replacement of old and new inverter equipment.

2.5 Reviewing Diagnose

Display the status of the system, and attach some recommendations if the status is not healthy.

2.5.1 Diagnose

Select "DIAGNOSE" in the left side bar.

The system's information is displayed under "DIAGNOSE".

APsystems	LESEN LEST	REGISTRATION ST	CON CONCERNING					English i Settings i Sign out
Current Usec YC	Check S	ystem Statu ally energy and report non identicon array performan	S ent is listed in the table by ce.	len, even though it is regi	istened or rost, it cauld help you brack	letinot whether systems is normal or not.	Each investor's daily pendustion data in pinplays	d, etterther the inverse is registered or not. This data
E HISTORY	MAINTENANC	E DATA CONFIGURAT	ION					
F REMOTE CONTROL	User Informatio							
DIADHOSE I	Login Account		-			Serve .	1991	
DIAGNUSS	Contact Envil		-			Contact Phone		
INTELLIGENT GIAGHOSIS	User Unit		-	-		Registration Date		
${\sf Q}^n_0$. User registration \sim	installer							
BACK	ECU ID 215	• 1000000801	Working Cate	2023-03-17	Q, Dany			
×.	Registered low	erter Working Status						
	0	View Name	fee	Column	Invertar ID	Chimnel (D	Working Status	Daily Energy
	1	USER_1	1		409000	×	Not report	
	z	USER_1	- 1		4055002	z	Not report	
	2	USER_T	1	7	40900002	2	Not report	
	4	USER_1	1		40900007	3	Not report	-

2.5.2 Intelligent Diagnosis

Select "Intelligent Diagnosis" under "DIAGNOSE" in the left side bar.

The system status and some recommendations are displayed.

The system is functioning normally

¢	APsystems				English) Set	tings i	Sign out
Curre R III	NT USER YC60 DASHBOARD MODULE REPORT	~	Intelligent Diagnosis Displaying the system status, and attach some recommendations if the matus is not healthy.					
8	HISTORY REMOTE CONTROL		System Status					
	ITALINGE DIAGNOSE INTELL CENT DIAGNOSE:		:	Congratulations! The system is functioning normally!				
0°. 11	USER REGISTRATION	10						

The system status is not healthy

6	APsystems		USER LIST REGISTRATION. M.		SETTING		English i Settings (Sign out
Curri	ent User: su		Intelligent Diagnosi	is			
*	DASHBOARD		Displaying the system status, and attach	Lome recommen	tions if the status is not healthy		
ш	MODULE		and an alternation of the second				
38	REPORT	÷	SYSTEM STATUS				
8	HISTORY	×					
×	REMOTE CONTROL	×	System Status				
0	DIACNONE						
	DIAGNOSE		A				
	INTELLIGENT DIAGNOODS			2.5en	micro-inverters have not been properly regis	tered	
00	USER REGISTRATION	~		3.Sen	micro-inverters' low power production (abno	rmal behavior or weak/lack of sun light)	
5	BACK						
			DIAGNOSIS AND RECOMMENDATI	IONS			
			Diagnotis and recommendations				
			ια εςυ ιο		Diagnosis	Alarm	Action
			1 224500		Some investore care commission dama	Enable	Series .

3. System Management

Select the "Setting" Icon at the top of the page.

•	APsyster	ns	USER LIST	REGISTRA	TION	o SETTING	•	-	Sett	ing	g Ico	n								Englise	n i Seminge	Sign out
APSIN	STALLER - CUSTO	MER LIST	-																			
Cue	tomm Account	*			ECU ID		-			More	Optiens	077	(Q awy	10	SIA TRI						
ю	Customer Account		ECU ID		¢ . N	ana		\$	Ecunitry/Region	¢	234			city	٥	System Size(KW)	.0	System Type	Register Dete		System Status 😡	Action
+	-		2264						Chine's Mainland		Thejang			fastas		32432		Photovoltaic	2023-01-05			Delete
2	p.,		2150						Chinese Mainland		Delleng			Şering				Storege	2022-09-25			Delete
3	p.m.		21606						Chine's Melaland		Zhajjang			125				Storege -	2022-09-21			Delete
4	N.A.		215000		-				Brazil		Acre			×1		43		Photovoltaic Meter	2022-05-07			Delete

The Settings page is displayed.

Fun	ictionality Tabs		
APsystems		Dapin,) Serings (Signat	
ACCOUNT STEALS ACCOUNT SECURITY	Installer Information Prese File year company's information is become as installer of us. Company information'', Accuss information'', Accuss information is account contentiate when you use use BMA Revail. Permission Lint means the last operate purposes.		
7 HELP	COMPANY INFO		
1 VERSION HISTORY	Сотрану Калия -	Company Coos	
* RESOURCE	AP 17	lines.	
-	Country / Region -	Container Support Einail -	
	China's Mainland	(approximate an	

3.1 Setting

3.1.1 Account Details

Select the "Account Details" Icon on the left side of the page.

The "Account Details" page is displayed.



3. System Management

3.1.2 Account Security

Select the "Account Security" Icon on the left side of the page. The "Account Security" page is displayed.

APsystems	USER LIST REGISTRATION	attrue:	English I Sentings I Sign our AP-ystems Jianing Zhejikng, Chind's Mainland
SETTING ACCOUNT DETAILS ACCOUNT DETAILS ACCOUNT SECURITY HELP VERSION NETONY AESOURCE C		Reset Password Did user can rever BMA login password through the reset password contact ential astr from APsymetrie. EDIT PASSWORD Phaseword Confirm Phaseword	
Reset	Password		

3.2 Help

Select the "Help" Icon on the left side of the page.

The Help page is displayed.



3. System Management

3.3 Version History

> Select the "Version History" Icon on the left side of the page.

The Version History page is displayed.

Version History				
APsystems	USER LIST REGISTRATION	English Settings Sign out APsystems Juning "Dirjung, Chinira Madaland		
SETTINGS HELP VERSION HISTORY	Version History Users can get some basic version information.			
Sesource	VERSION HISTORY LIST			
(ē)	V5.4.4 (Lasers)	2022-02-17		
	V5.4.2	2022-02-15		
	V5.4.1	2021-11-23		
	V5.3.1	2021-09-06		
	V5.2.1	2021-08-24		

3.4 Resource

Select the "Resource" Icon on the left side of the page.

The Resource page is displayed.

One great feature is the ins



nation as well as a unique selling tool to showcase you

ers, inverters installed, and total energy produced. This feature provides you with valuable inform