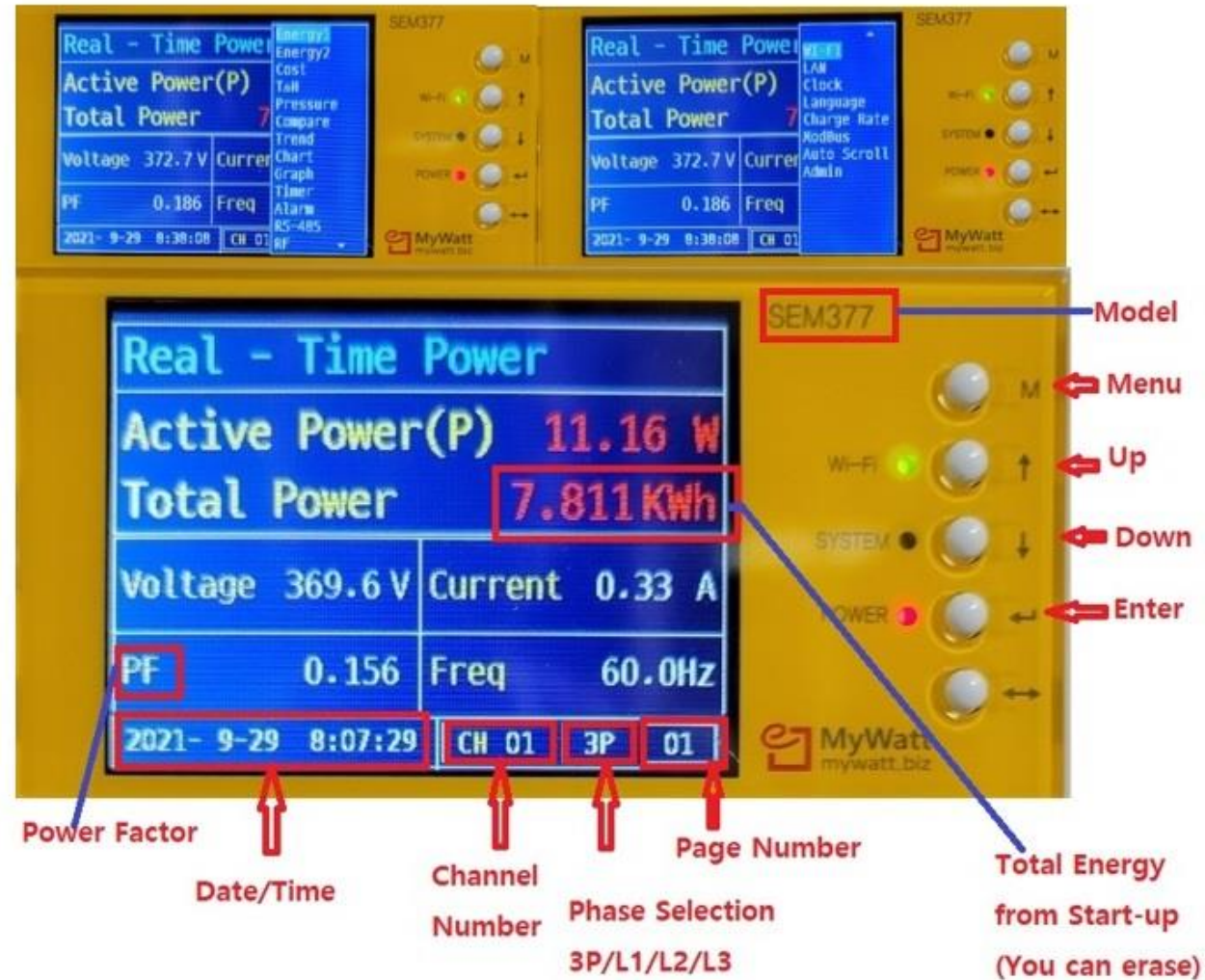


# ENERGY-EYE Smart Energy Management System

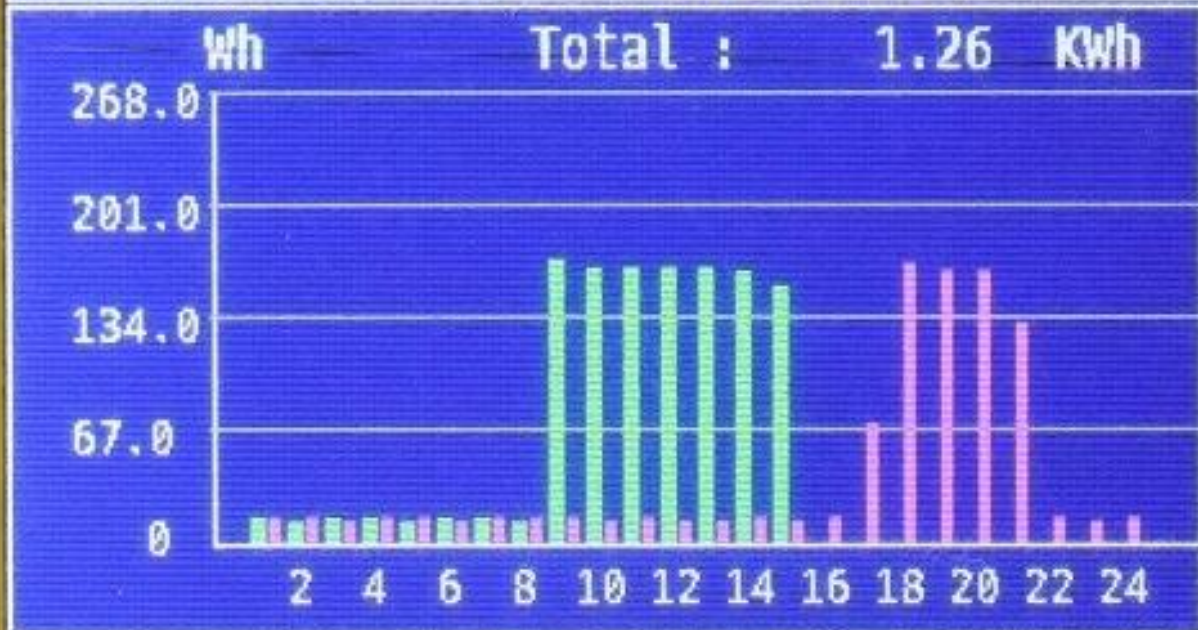
Patent pending World 1<sup>st</sup> Energy Management System could save  
your factory and building monthly cost drastically.

Korins Inc. MyWatt Inc.  
<http://mywatt.biz>

# SEM370/SEM375/SEM377/SEM380/SEM382/SEM383/SEM390



Compare Daily 2022/01/31



2022- 1-31 16:58:35

CH 01

06

SEM377

Wi-Fi



M

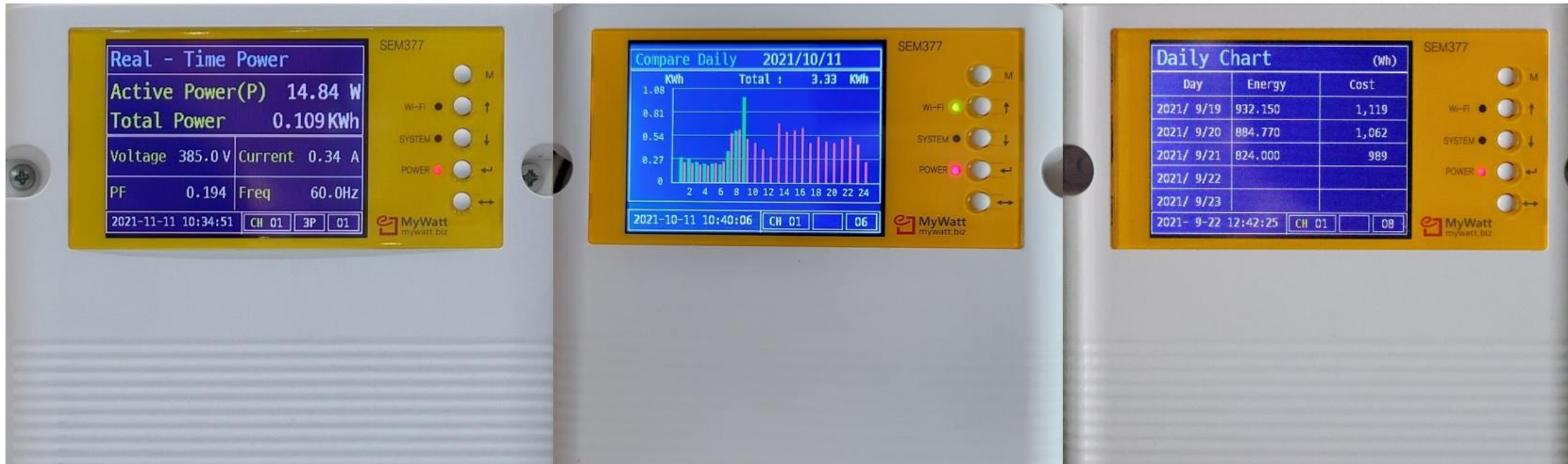
SYSTEM



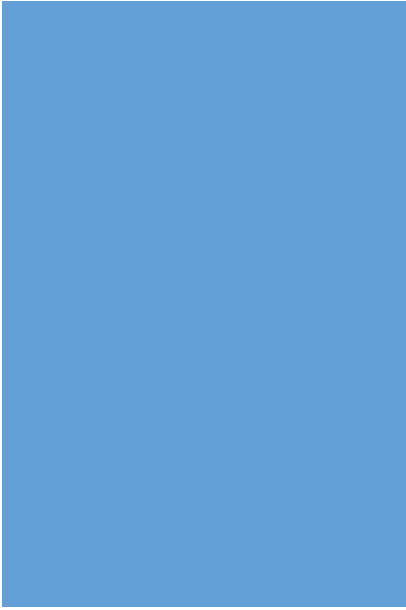
POWER



 MyWatt  
mywatt.biz







# SEM377 ENERGY-EYE MAGENT ATTACHMENT

LAN, WIFI, RS-485, Micro-SD Card, Temperature/Humidity Sensor







# WORLD 1ST Energy Management System MYWATT "ENERGY-EYE"



SEM380 Panel Mounting  
Smart Energy Manager



SEM377 Wall Mounting/Standing  
Smart Energy Manager



- \*Application: Factory Building, Food Processing, Energy Saving
- \*3Phase 3/4-Line Energy (V, A, Hz, P.F., P, Q, S, Wh, Varh, Vah)
- \*Current Clamp (5A, 100A, 200A, 500A, 1000A, 2000A, 4000A)
- \*SD Card data logging (1 min. interval for 10 years)
- \*Flash Memory data logging (1 hour interval for 2 years)
- \*5 Year Free Web Cloud Service
- \*Wireless communication (WIFI, LORA)
- \*Wire Communication (LAN, RS-485)
- \*365 Day Data Report (1 hour interval)
- \*Scanning Mode (3sec/5sec X 10 Menu)
- \*Sensors (Temperature, Humidity, Pressure)

SEM390/SEM392 4-Channel  
Smart Energy Manager (12 Clamp)



SEM370 Rail Mounting  
Smart Energy Manager



Dunchon-Daero #474, Seongnam-Si, Gyeonggi-Do, Korea  
<http://mywatt.biz>, <http://energyeye.kr> [hyh@korins.kr](mailto:hyh@korins.kr)  
 Tel: +82-31-777-1588, Fax: 031-777-1587 Mobile: +82-10-8905-1244  
**KORINS INC. MYWATT INC.**

# ELECTRIC ENERGY MANAGEMENT GAME CHANGER MyWatt ENERGY-EYE SEM377/SEM380/SEM388

- World 1<sup>st</sup> Energy Management
- ENERGY-EYE Patent Pending
- 3-Phase 4-Line energy monitor
- SD-CARD Data Logger
- FLASH MEMORY Data Logger
- TFT LCD display 30 menu page
- RS-485, LAN/WIFI communication
- Temperature, Humidity, Pressure sensor display

## Transforma (5A ~ 4000A)

## Web Cloud Service

# ENERGY-EYE Merit Point

- Possible current clamps (5A ~ 6000A)
- Web cloud service: 10 year free (exclusive page supply for multi-device users)
- 365 Days report auto supply (RS-485 and Web Cloud)
- 30 Menu page supply
- 13 Menu page auto scan display
- More than 5% energy saving



## 365Day Power Consumption Report: Day/ Month/ Year Total

365Day Power Consumption Report table showing hourly, monthly, and yearly energy consumption data. The table includes columns for Year, Month, Day, Hour, and various energy consumption metrics (Total, Max, Min, Average) in kWh.

Year	Month	Day	Hour	Total	Max	Min	Average
2021	01	01	00	0.00	0.00	0.00	0.00
2021 Yearly Total				193842	2.84	0.76	0.00

# ENERGY-EYE Daily Graph Comparison

- Yesterday/Today Graph
- Last Week/This Week Graph
- Last Month/This Month Graph





# ENERGY-EYE 12-Months Monthly Energy Display

- 2022: Daily Energy Display
- 2022: Daily Energy Cost
- 2022: Monthly Energy Display
- 2022: Monthly Cost Display
- 2022: Yearly Energy Display
- 2022: Daily Energy Graph
- 2022: Weekly Energy Graph
- 2022: Monthly Energy Graph
- 2022: Yearly Energy Graph

# 10 YEAR CLOUD SERVICE FREE

- Day/Week/Month/Year Graph
- Day/Week/Month Compare Graph
- Customer's individual real-time display site for 40-channels
- 10 Years 40 channel cloud service only with WIFI service
- Day/Week Excel data collection from cloud
- "365 Day Data report" collection from cloud



UserID		korins		Date/Time	2021-10-15 21:13		<input checked="" type="checkbox"/> Auto Refresh								
				순시전력	누적량	지난달	금일	금월	금월비용	금년	상태	그래프			
NO	Application	S/N	Selection	Active Power(W)	Integrating Power(kWh)	Last Month(kWh)	Today(kWh)	This Month(kWh)	This Month Cost(W)	This Year(kWh)	Status	Graph			
21	SEM377_210815_HONG-H	210815	SEM370	728	244	66	12	178	₩23,140	244	Good	view			
20	191919_TEST	191919	SEM370								Bad	view			
19	210708_4CH	210708	SEM370	0	2	2	0	2	₩260	2	Good	view			
18	210704	210704	SEM370	11	11	8	0	3	₩390	11	Good	view			

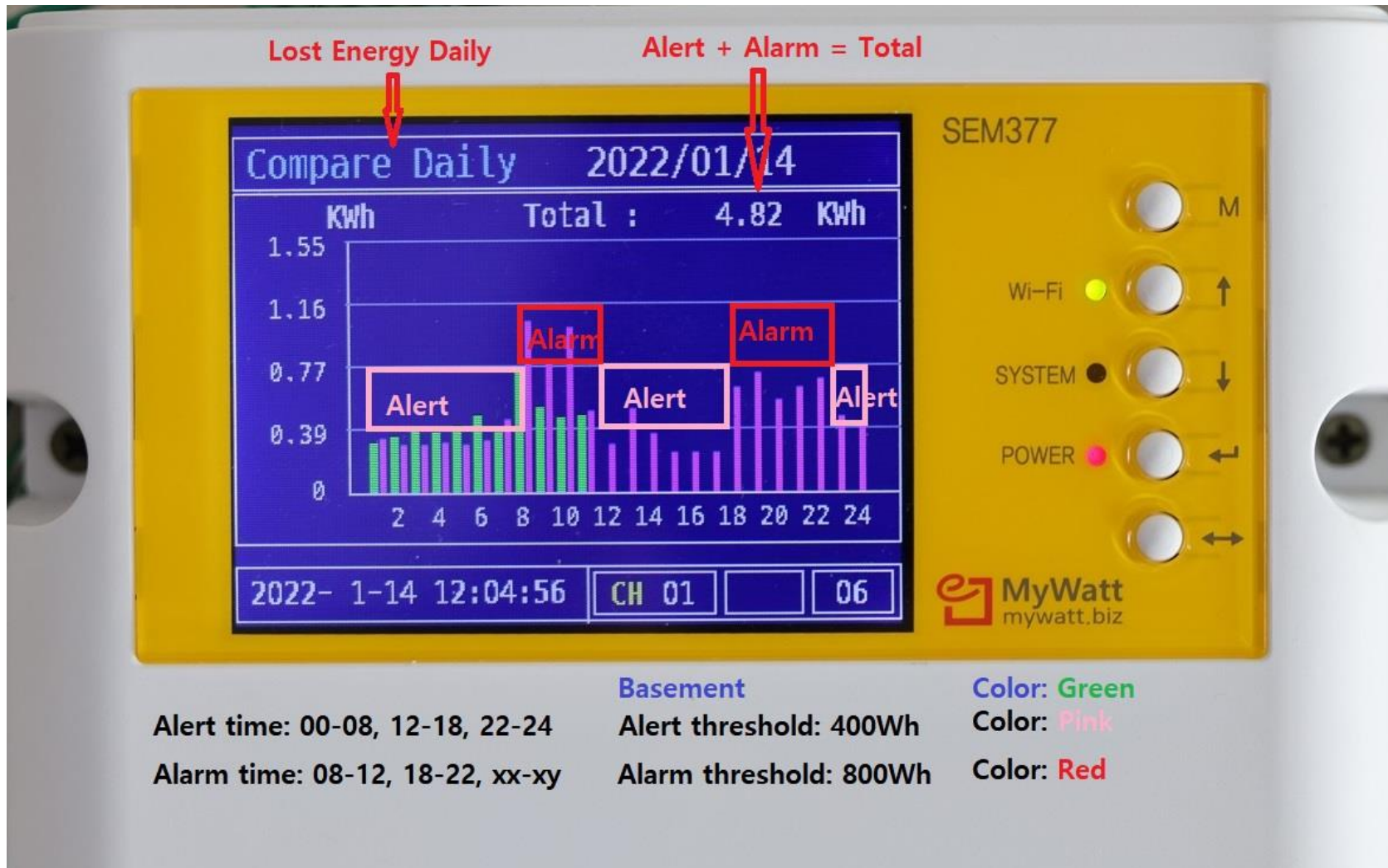
# 365 DAY DATA REPORT SOFTWARE

Year/Month/Day/Hour data report in one page

The screenshot displays a spreadsheet titled "2021 YEARLY ENERGY CONSUMPTION" with a "MYWATT SERIAL NUMBER" of 193842. The data is organized by date (rows) and hour (columns 1-24). Summary statistics are provided for each day (TOTAL, MAX, MIN, AVERAGE) and for each month (Month total). The year total is also calculated.

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTAL	MAX	MIN	AVERAGE	
2021-07-01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.76	0.76	0.78	0.28	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	2.64	0.76	0.00	0.16		
2021-07-02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	0.76	0.00	0.12		
2021-07-03	0.21	0.00	0.00	0.21	0.00	0.21	0.00	0.10	0.10	0.00	0.00	1.18	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	102.88	74.18	0.00	12.90		
2021-07-04	0.00	0.21	0.10	0.00	0.00	0.10	0.21	0.00	0.10	0.00	0.10	0.00	0.10	0.00	0.21	0.00	0.00	0.10	0.00	0.10	0.00	0.00	0.21	0.00	1.98	0.21	0.00	0.08	
2021-07-05	0.00	0.00	0.21	0.10	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.21	0.10	0.00	0.10	0.00	0.10	0.00	0.21	0.00	0.00	0.00	0.00	0.00	1.58	0.21	0.00	0.08	
2021-07-06	0.10	0.00	0.10	0.10	0.00	0.21	0.00	0.00	0.21	0.00	0.00	0.00	0.10	0.00	0.21	0.00	0.10	0.00	0.00	0.00	0.10	0.10	0.10	0.00	1.58	0.21	0.00	0.08	
2021-07-07	0.10	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.21	0.00	0.10	0.00	0.00	0.00	0.10	0.10	0.00	0.00	1.78	0.21	0.00	0.07	
2021-07-08	0.10	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.21	0.00	0.10	0.00	0.00	0.00	0.10	0.10	0.00	0.00	1.58	0.21	0.00	0.08	
2021-07-09	0.10	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.21	0.00	0.10	0.00	0.00	0.00	0.10	0.10	0.00	0.00	1.78	0.21	0.00	0.07	
2021-07-10	0.21	0.10	0.00	0.00	0.21	0.10	0.00	0.10	0.00	0.10	0.21	0.00	0.00	0.10	0.21	0.00	0.00	0.10	0.21	0.00	0.00	0.10	0.00	0.00	1.98	0.21	0.00	0.08	
2021-07-11	0.10	0.10	0.00	0.21	0.00	0.00	0.21	0.10	0.00	0.10	0.00	0.00	0.10	0.00	0.21	0.00	0.00	0.10	0.21	0.00	0.10	0.00	0.00	0.00	1.58	0.21	0.00	0.08	
2021-07-12	0.10	0.00	0.21	0.00	0.00	0.10	0.00	0.10	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	0.00	0.00	0.00	0.78	0.10	0.00	0.08	
2021-07-13	0.10	0.00	0.21	0.00	0.00	0.10	0.00	0.10	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2021-07-14	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	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	0.00	0.00	
2021-07-15	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	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	0.00	0.00	
2021-07-16	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	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	0.00	0.00	
2021-07-17	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	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	0.00	0.00	
2021-07-18	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	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	0.00	0.00	
2021-07-19	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	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	0.00	0.00	
Month total																									12.28	0.00	0.00	0.00	
Year total																										21.44	0.00	0.00	0.00

# LOST ENERGY (kWh) DISPLAY & RECORD



# CURRENT TRANSFORMER

3-IN-1/Split Core/Solid Core/ Rogowski Coil  
RJ12 Easy Click







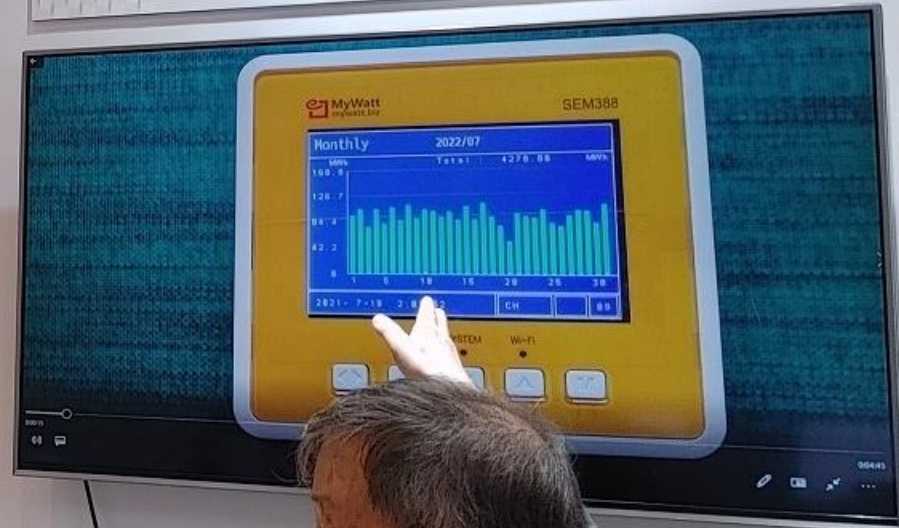
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Hall Area 2  
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KOREA INNOVATION FAIR 2022

S13

Korins Inc.



# Korea Innovation Fair 2022 Dubai

- Fair Period: January 16-18, 2022
- SEM377: Start to sell November 2021 (3.2" LCD display, Wall mounting type)
- SEM380: Start to sell November 2021 (3.2" LCD display, Panel mounting type)
- SEM388: Start to sell January 2022 (4.0" LCD display, Panel mounting type)



## ENERGY-EYE INVESTMENT AND RECOVERY PERIOD

Electricity Cost		Yearly cost saving		ENERGY-EYE Pay	Recovery period
Monthly cost	Yearly cost	1% saving	5% saving		(5% saving base)
\$50	\$600	\$6	\$30	\$300	10 Year
\$100	\$1,200	\$12	\$60	\$300	5 Year
\$200	\$2,400	\$24	\$120	\$300	2.5 Year
<b>\$500</b>	<b>\$6,000</b>	<b>\$60</b>	<b>\$300</b>	<b>\$600</b>	<b>2 Year</b>
\$1,000	\$12,000	\$120	\$600	\$600	1 Year
\$2,000	\$24,000	\$240	\$1,200	\$600	6 Month
\$5,000	\$60,000	\$600	\$3,000	\$1,200	4 Month
\$10,000	\$120,000	\$1,200	\$6,000	\$1,200	3 Month
\$20,000	\$240,000	\$2,400	\$12,000	\$2,400	3 Month
\$50,000	\$600,000	\$6,000	\$30,000	\$6,000	3 Month
\$100,000	\$1,200,000	\$12,000	\$60,000	\$12,000	3 Month
\$200,000	\$2,400,000	\$24,000	\$120,000	\$24,000	3 Month
\$500,000	\$6,000,000	\$60,000	\$300,000	\$60,000	3 Month