

Smart Retail Electronic Price Tags

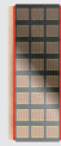
Where Sustainability Meets Innovation



SERIAL ELECTRONIC PAPER DISPLAY



PV Battery Module



- No Additional AC Power
- Uninterrupted Electricity Generation
- Self-sufficient
- Net Zero Accordance

Cymmetrik SEPD™



- Synchronized Serial Display Update
- Carousel Content Display for Promotion
- Eye-catching Marketing Purpose



Leading Innovation: Self-sustaining and Smart Shelf



Embrace Absolute Eco-Friendly Living with Net-Zero Emission



Energized by Indoor Light for Extreme Low-Carbon Emission



Redefine EPD as Your Active Profit Tool

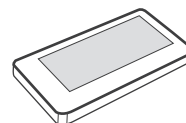
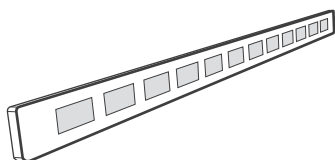


Stay Informed with a Readable Battery Level Display



Cymmetrik's smart retail price tag is an innovative solution that uses indoor lighting for self-generated electricity, achieving net-zero emissions. Besides displaying prices, the electronic paper serves as a marketing tool to boost revenue, with versatile power solutions for different sales environments.





Comparison	SEPD	ESL(Traditional EPD)
Battery Alarm	Yes	Yes
Solar Power Efficiency	High	Low or None
Marketing Purpose	Convenient	Difficult
Management Cost	Low	High
Wi-fi IP Quantity	One IP for 12 EPDs, less interference	Multiple IPs required, High Interference
Installation	One installation for many displays	One by one
Update Period	Up to 15 years, 2 updates/day	Up to 15 years, 2 updates/day
Back-end Management	EPD Contents, Battery Status, PV Information	EPD contents

Specification	SEPD	
EPD	Outline Dimension(mm) (H) x (V) x (D)	86.40 x 39.20
	Display Color	4 (B/W/R/Y)
	Active Area(mm) (H) x (V)	70.4 x 29.568
	Resolution(pixel) (H) x (V)	400 x 168
	DPI	144
	Viewing Angle	Nearly 180
Temperature	Operation (°C)	0 ~ 40
	Storage (°C)	-25 ~ 60
Module Battery (Power Bank)	Battery Capacity	20Ah (TBD)
	Battery Type	Lithium Battery
	Battery Life	Up to 15 years, 2 updates/day
	Battery Output	5V, 1A
	Battery Input	5V, 1A
SEPD Array	Quantities (Max.)	12
	Dimension (H) x (V) x (D)	62.60 x 1182.00 x 16.10
Wi-Fi	Transmission Type	802.11n
	Transmission Frequency	2.4GHz
Certification	CE, RoHS, FCC	
Photovoltaic module	Dimension(mm)	1208 x 420 x 85
	Battery Capacity	20Ah (TBD)
	Battery Output	5V, 1A



Established in 1969 and based in Taiwan, Cymmetrik has evolved into the premier label and package printing supplier for Greater China. Its "customer-centric" key principle has guided its growth globally, establishing strong, long-term partnerships with the world's Fortune 500 companies, offering its expertise in applied printing and value-added services across numerous industries.

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