

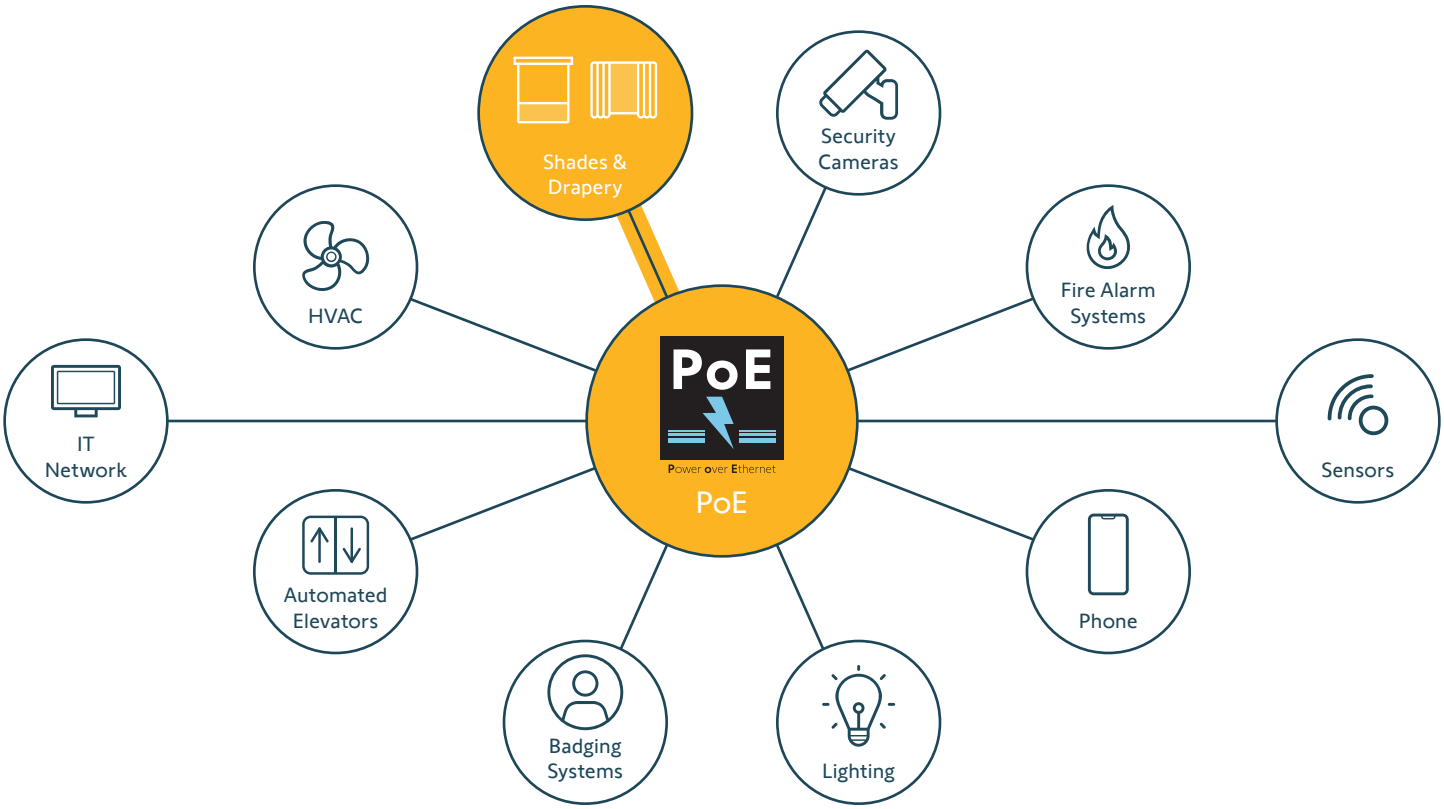
PoE
Power over Ethernet

SOMFY POWER OVER ETHERNET (POE) TECHNOLOGY

Lower costs and improve efficiency with **PoE Shading**

Innovates and simplifies the control of motorized window treatments with a single ethernet cable

somfy®



What is **Power over Ethernet (PoE)?**

Power over Ethernet (PoE) distributes network signals and electrical power to transmit communication over standard low-voltage ethernet cabling to various endpoints, including shades, draperies, LED lighting, HVAC controls, cameras, and other networked devices in new or existing projects.

Savings up to

46%

SAVINGS PROFITS

on infrastructure cost and service for shading!

Details on back cover

What can **PoE do for you?**

Maintenance free operation of window treatments:

The ultra-quiet, more powerful **Sonesse 40 PoE** allows motorization for shades as large as 13 ft. x 13 ft. Its direct integration to third-party control systems via the Somfy Synergy™ API eliminates the need for additional hardware.

The **Sonesse 30 PoE** meets the IEEE 802.3 at standard and is directly powered by any 30W PoE switch that meets this standard. No charging or battery replacement required.

Time and cost savings during installation:

PoE reduces the time and expense of having electrical power cabling installed. CAT-5e network cables do not require a qualified electrician to install them and can be located anywhere to provide more reliable communication than traditional radio solutions.

Simple integration & hard-wired communication:

PoE integrates directly with most third-party control systems via Somfy Synergy™ API without the need for additional hardware.

Somfy Synergy™API
CONNECT INTEGRATE CUSTOMIZE

Motors featuring embedded **PoE Technology**



Sonesse® 30 PoE
#1241147 at 1.5/25 Type 2 (30W)



Sonesse® 40 PoE
#1241426 at 2/25 Type 2 (30W)
#1241427 bt 4/25 Type 3 (45W)
#1241428 bt 6/25 Type 3 (60W)

Easy integration

- Seamless integration to match any interior decor
- Thin round head for a smooth transition into the shade and tube profile
- Smaller light gap to minimize light leakage
- Fits smaller diameter tubes (suitable for internal diameters of 31mm or more)
- Ideal for small, narrow windows to maximize viewable window area
- Interchangeable head color (black and grey) to match fabric, hardware style, and color



White
#9027132
(supplied with motor)



Optional Grey
#9027133



Optional Black
#9027134

Easy installation

- Single CAT-5e or higher ethernet cable carries power and data
- Ethernet network cabling that does not require a qualified electrician
- UL listed
- Low voltage power for safe and easy wiring
- Up to 328 ft. from the PoE switch to the motor

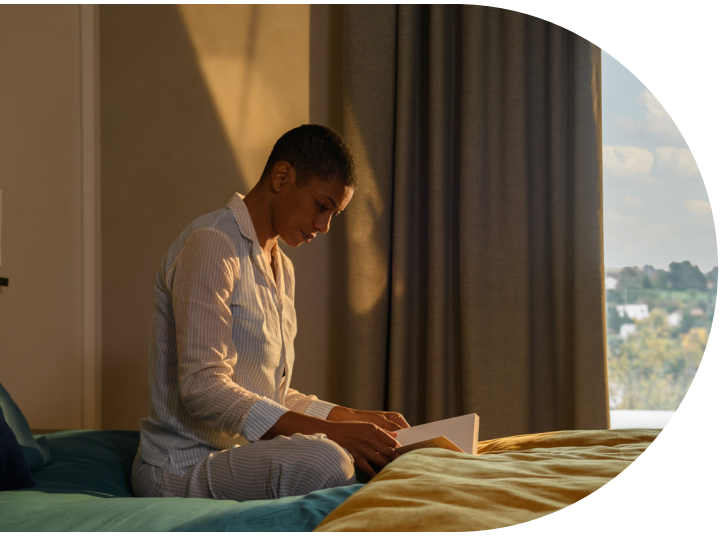
Easy setting

- Connect directly to the motor via a web GUI (no physical setting tool required)
- Somfy Synergy™ API available for easy driver development
- Independently adjustable soft stop and soft start
- Each direction's speed independently adjustable

Secure protocol

- Certificate + PIN code to secure TCP/TLS AES-128 encryption over UDP
- Somfy Synergy™ API
- CoAP
- Manufacturer Usage Description (MUD) file available for secure network configurations

	Sonesse® 30 PoE	**Sonesse® 40 PoE**		
Technical Characteristics				
Torque	1.5 Nm	2 Nm	4 Nm	6 Nm
Power Supply	Type 2 (30W)	Type 2 (30W)	Type 3 (45W)	Type 3 (60W)
Sound Level*	≤ 47 dBA	41 dBA	42 dBA	47 dBA
Speed	10-28 rpm, adjustable	10-28 rpm, adjustable		
Nominal Voltage	48V DC	48V DC		
Control Technology	Somfy Synergy API, PoE	Somfy Synergy API, PoE		
Certifications	c UL us LISTED	c UL us LISTED		



Why use PoE for **shading systems?**

- Power over Ethernet (PoE) delivers data and power over CAT-5e or higher ethernet cable
- Reduces costs by eliminating the need for AC or DC power supplies
- Updated product firmware and software
- Ability to program up to 16 intermediate positions per motor
- Control groups of motors with a stop and align command
- Less dependence on electricians for installation
- Ethernet cable is less expensive than typical line-voltage or specialized low-voltage cabling
- Great for installing products in remote locations

When to use PoE for **shading systems?**

New Construction:

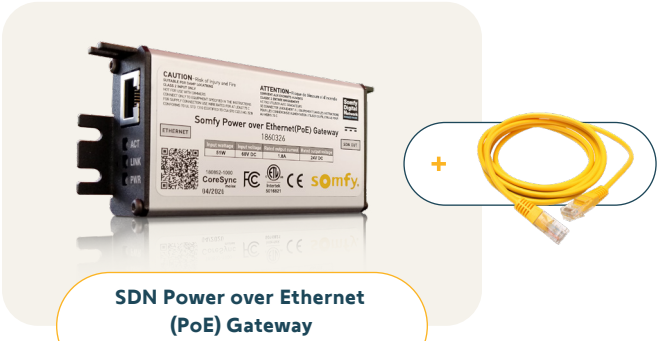
- When it's convenient to install a low-voltage cabling network
- Streamline process of project installation coordinating with low-voltage network installer

Renovation:

- When a PoE system is already in place or going to be added
- Simple to use ports of an existing or added network switch
- Easier to power motors using low-voltage cable over line-voltage

Power over Ethernet **(PoE) Ready**

The SDN PoE Gateway is ready for fast, easy connectivity using an RJ45 input, compatible with standard Cat-5e or Cat-6 UTP cables.



SDN Power over Ethernet (PoE) Gateway
#1860326

SDN Motors



Sonesse® ULTRA 50 DC RS485
Large roller shade motor
#1134022



Irismo™ 35 Mini DC
Drapery motor
#1003003 DCT
#1003004 RTS

Requires SDN Irismo 35 Mini DC Control Enclosure Kit (with drapery cable) #1870282

NOTE: All Somfy SDN (RS485) motors are compatible. Examples shown here.

Shading system cost savings are based on reduced line-voltage and low-voltage power panel installations by using direct gateway to motor connections over common low-voltage Cat-5e cabling. Percentage savings are based on new construction building project in New York City with an overall footprint of 100,000 sq. ft. including 100 motorized shades. All costs and calculations are based on US Dollars and average construction costs and are subject to change.

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Make the move

About Somfy®

For over 50 years, Somfy has been pioneering innovative motorization and automated solutions for window coverings and exterior shading products. With comfort, ease of use, security, and sustainability in mind, our seamless and connected solutions are designed to help people make the move to living spaces impactful for humans and with a reduced impact on nature.

A BRAND OF SOMFY GROUP

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