



# Green Flexible Digital

ECOFIT™ modernization solutions

## Greater sustainability

- Efficient use of natural resources by replacing only active components
- Recycling of obsolete equipment
- Enabled energy efficiency monitoring

## Improved efficiency

- Lifetime extension for existing switchboards
- Less downtime than with a full panel replacement
- Reduced plant shutdown time from days to hours
- No change of cables and no civil work
- Improved safety of people and surrounding equipment

## Resiliency with digital capabilities

- Enabled asset condition monitoring
- Remote operation ability
- Access to digital energy management solutions and connected service plans

## Benefits

- Digitization giving access to energy management
- Enhanced process dependability
- Optimized maintenance service costs
- New ECOFIT spare parts availability

## Expert help from Schneider Electric

- Worldwide support with Schneider Electric's warranty
- Skilled installation and commissioning experts available locally
- Access to the know-how of a global leader in energy management solutions

[se.com/ecofitselector](https://se.com/ecofitselector)

Life Is On

**Schneider**  
Electric

# Varset

## with VarSet and VarSet Fast

### Power Factor Correction controller

Original brand: Merlin Gerin, Schneider Electric, Varilec

#### ECOFIT™ proposal

Varset  
wall mounted or panel versions



VarSet, VarSet Fast  
wall mounted or panel versions



Product Release	Release date	Lifecycle phase	End of Sales date	End of Services date	Replacement Solution & Modernization process
Rectimat <sup>2</sup> (SD,H,SAH)		Obsolete	09/2006	09/2016	VarSet & re-engineering due to load change condition...
VarplusM (previous version of Varplus2)		Obsolete	12/2006	12/2016	VarPlus Can & Re-engineering
Rectibloc (version "fixed" of Rectimat)		Obsolete	09/2006	09/2016	Re-engineering
Thyrimat (previous version of Varsetfast)		Obsolete	03/2007	03/2017	VarSet Fast or AccuSine & re-engineering
Varplus2 (stand alone condensator)		Obsolete	12/2012	12/2020	VarPlus Can
Varset direct (fixed)	2006	Obsolete	04/2013	04/2021	VarSet; refer to substitution guide
Varset fast	2006	Obsolete	04/2013	04/2021	VarSet Fast or AccuSine; refer to substitution guide
Varset classic (not polluted)	2006	Obsolete	04/2013	04/2021	VarSet "no polluted"
Varset comfort (low polluted)	2006	Obsolete	04/2013	04/2021	VarSet "low polluted"
Varset harmony (poluted)	2006	Obsolete	04/2013	04/2021	VarSet "polluted"
Varpact (classic, comfort, harmony)	2006	Obsolete	04/2013	04/2021	Varpact R stand alone module (condo, contactor, fuse or CB)

- **Upgradation process:** Refer to substitution guides. Replacement of stand alone components may be also possible depending on obsolescence date.
- **Recommended Engineering:** PQ audit or local measurement from point of connection is recommended due to load change condition from first installation.
- **Life time reduction factors:** 7 years without maintenance on condensator or operation out of normal operating ranges.
- **Selection Guide:**

Load variation	Compensation to choose	Network harmonic pollution level	Replacement Solution
Variable or unstable load	Automatic	No polluted (Gh/Sn ≤ 15%, Thdu ≤ 3%; Thdi ≤ 5%)	VarSet Easy for "no polluted network".
		Low polluted (Gh/Sn ≤ 25%, Thdu ≤ 4%; Thdi ≤ 10%)	VarSet for "low polluted network".
		Polluted (Gh/Sn ≤ 50%, Thdu ≤ 7%; Thdi ≤ 20%)	VarSet for "polluted network".
Stable load	Fixed	Low polluted (Gh/Sn ≤ 25%, Thdu ≤ 4%; Thdi ≤ 10%)	VarSet for "low polluted network".
		Polluted (Gh/Sn ≤ 50%, Thdu ≤ 7%; Thdi ≤ 20%)	VarSet for "polluted network".

#### Main technical characteristics

	VarSet, VarSet Fast
Performance	More Safety, Reliability & Performance. Enclosure system improvement. 100% Schneider Electric inside
Operational modes	Harmonic + PF + load balancing
Security	Long-life performance Capacitors with extra-overcurrent performance: - EasyCan: 1,5 x In - VarplusCan: 1,8 x In Thermal probe to protect against overtemperature and harmonic overload
Operator display	Front panel display & Integrated communication
Advanced measurement & monitoring	Real time monitoring of capacitors (remaining power available and variation, number of switches,...): - Harmonic control up to the 19th harmonic - 4 quadrant operations - Overload assessment through harmonics

Schneider Electric Industries SAS  
35 rue Joseph Monier  
92500 Rueil-Malmaison, France  
Phone: + 00 (0) 1 41 29 70 00  
www.se.com

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