



PowerLogic DVR

2025 Catalog
Dynamic Voltage Restorer



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Get PQ-ready with Power

Electric utilities are urging customers to protect themselves and be Power Quality (PQ)-ready. The main concern are voltage sags, or temporary reductions in RMS voltage caused by upstream faults, transformer energizations, or motor startups. These disturbances are often associated with voltage sags and swells.

Climate change raises the stakes

As climate patterns grow more volatile, extreme weather is making PQ issues worse. Lightning strikes, severe storms, and other meteorological events now:

- Increase the frequency and severity of voltage sags.
- Challenge the stability of electrical networks.
- Expose the limits of conventional protection methods.

This new reality makes advanced, resilient PQ management strategies more critical than ever.

From reactive to proactive

Traditionally, voltage sags were managed through a reactive cycle: measure, analyze, repair. But today, utilities are urging customers to embrace a proactive, PQ-ready approach.

This forward-looking strategy leverages:

- Years of measured data available with various utilities / institutions like EPRI (Electrical Power Research Institute).
- IEEE 1668-2017: A non-industry-specific recommended practice for voltage sag and short interruption ride-through performance and compliance testing.
- IEEE Std 2938™-2023: Guide for Economic Loss Evaluation of Sensitive Industrial Customers Caused by Voltage Sags.

Beyond conventional practices

Conventional methods map sag magnitudes and durations against ITIC or SEMI F47 tolerance curves. A PQ-ready approach goes further by integrating real-time data into Electric Power Management Systems (EPMS) to:

- Deliver a dynamic understanding of PQ issues.
- Automate mitigation responses with performance validation.
- Enhance system awareness.
- The value of a data-driven framework.

Embedding a comprehensive, data-driven framework within EPMS architectures transforms PQ management. This approach helps you:

- Predict potential disruptions.
- Identify vulnerable zones automatically.
- Mitigate risk proactively.

The result is less downtime, greater efficiency, and stronger sustainability performance. By curtailing the impacts of voltage sags, this proactive strategy protects operations today while maximizing return on investment.



Logic DVR

The hidden cost of poor power quality

Power quality disturbances like voltage sags may last only milliseconds, but their economic impact is measured in billions. The Electric Power Research Institute (EPRI) estimates that US businesses lose \$145–230 billion annually due to power quality events. These costs stem from downtime, product loss, equipment damage, and increased operational expenses.

Why it matters

- **Manufacturing:** Even a brief sag can halt automated production lines, leading to hours of downtime, wasted material, and costly rework. Losses in sensitive sectors like semiconductor and pharmaceutical production can reach millions per incident.
- **Retail and services:** A global retailer reports over 24 sags annually, each costing around \$25,000 in lost transactions, equipment resets, and service disruptions.
- **Airports and healthcare:** In critical infrastructure, the stakes are even higher. Voltage sags have caused baggage system failures, costly flight delays, and even hospital evacuations due to medical equipment malfunctions.

The broader financial picture

Poor power quality impacts go beyond immediate downtime:

- Equipment damage and aging shorten the life of sensitive assets like drives, PLCs, and medical devices.
- Operational costs rise when extra shifts or overtime are needed to make up for lost production.
- Product quality suffers, especially in food, beverage, and pharmaceutical industries where consistency is critical.

Mitigating the risk

The good news is these losses are preventable. By embedding a proactive, data-driven power quality framework into Electric Power Management Systems (EPMS), organizations can:

- Predict and prevent disruptions.
- Protect sensitive loads from costly failures.
- Minimize downtime and waste.
- Boost operational efficiency and sustainability.

The economic case is clear. Even modest investments in advanced mitigation technologies can quickly pay for themselves by avoiding the steep financial consequences of voltage sags and other PQ events. In industries where uptime equals revenue, robust power quality management is a business imperative.

PowerLogic DVRs deliver instant correction for short-term voltage sags, safeguarding critical equipment and processes. By keeping systems online during the most common disturbances, they reduce downtime and protect productivity.

Refer to the operating range for application guidance.



PowerLogic DVR – The So

Features

- Operational efficiency (> 98%).
- Continuous voltage regulation +/- 1 %.
- Corrects 3 phase sags up to 40% of rated voltage up to 30 seconds.
- Corrects 1 or 2 phase sags up to 70% of rated voltage up to 1 second.
- Power ranges from 150 to 900 kVA (larger rating on request).
- Input Nominal Voltage 200 to 690 Vac.
- No batteries, or other energy storage components needed.
- Suitable for 50/60 Hz and all earthing systems.
- Phase independent compensation.
- Compensation of balanced / unbalanced voltage drops.
- Power supply to the load by Static ByPass in case of detected failure (Transference Time to ByPass < 0.5 ms).
- Overload in Normal mode: 150% overloads for 1 second.
- Overload in Static ByPass mode: 200% for 60 seconds, 500% for 10 seconds and 3000% for 0.2 seconds.
- Response speed (< 3 milliseconds).
- Allows energy flows in both directions.
- Never interrupts the service.
- Mitigates voltage sags to regulations: IEEE 1668, SEMI F47 and IEC 61000-4-34.
- Manual Bypass Switch integrated with 2 numbers of PM8000 range PQ meters for performance validation.
- Manual Bypass Switch integrated with a suitably-rated surge arrester (SPD).

Range of PowerLogic DVR

Continuous Regulation	Maximum Sag Correction in 3 Phase for 30 Seconds	Maximum Sag Correction for 1 Second (1 or 2 phase) Before Switching to Static Bypass (automatic Bypass)	System Power
+ 20...- 20 %	- 40%	- 70%	150 kVA
			300 kVA
			440 kVA
			600 kVA
			750 kVA
			900 kVA
+ 20...- 25 %	- 50%	- 70%	220 kVA
			440 kVA
			660 kVA
+ 20...- 30 %	- 60%	- 70%	150 kVA
			300 kVA
			450 kVA



Segments



Textiles



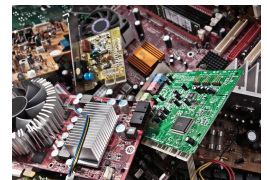
Food and Beverages



Automotive

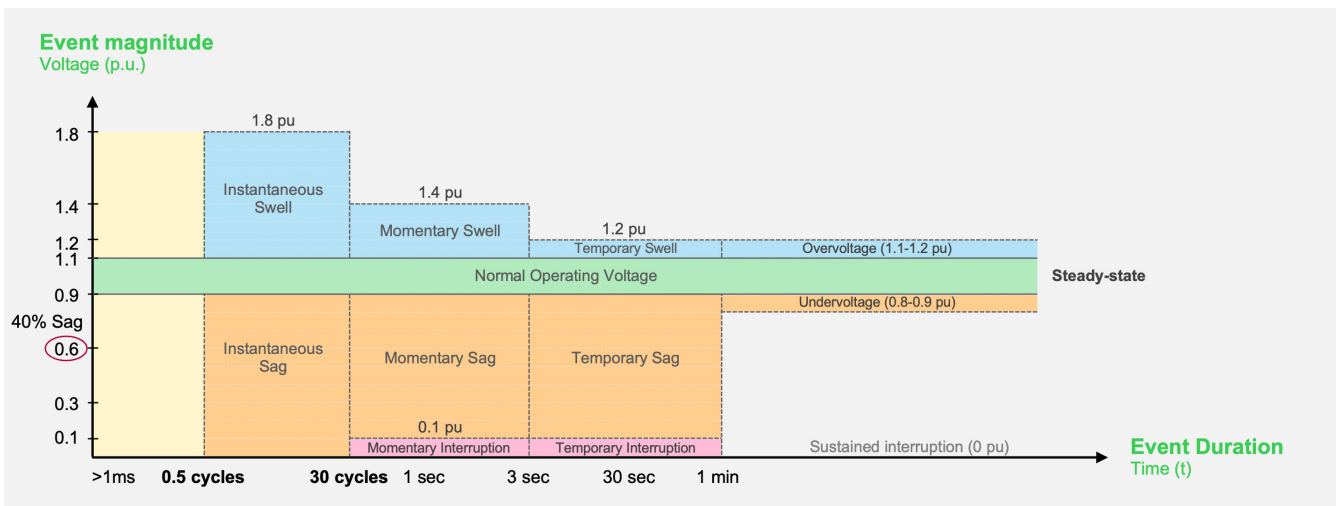


Pharmaceuticals

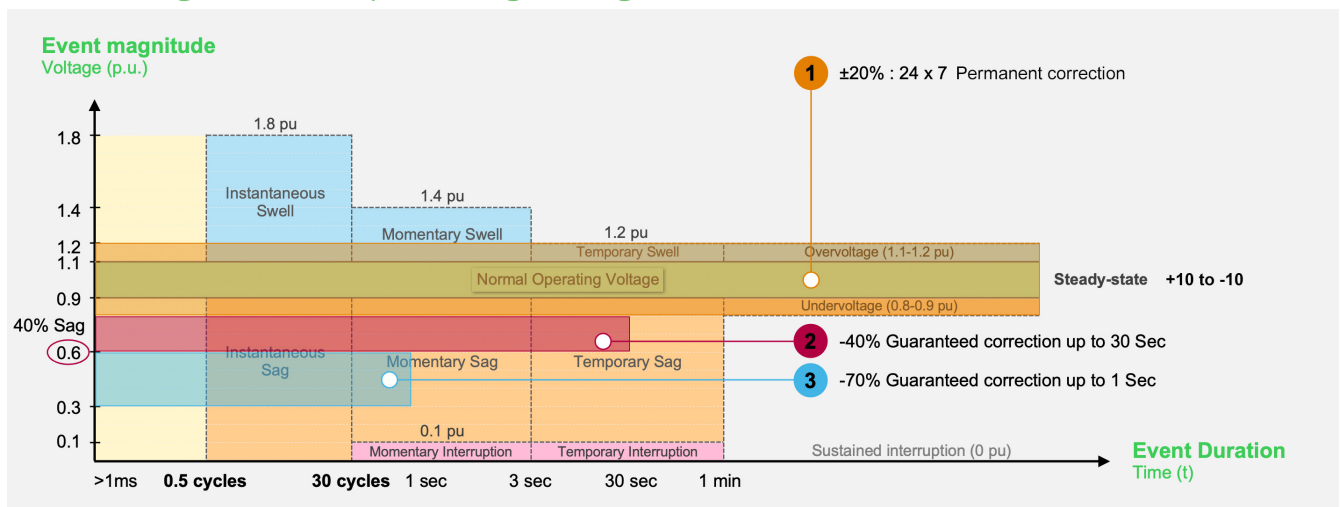


Semiconductors

IEEE Std 1159 Recommended Practice For Monitoring Electric Power Quality



PowerLogic DVR Operating Range

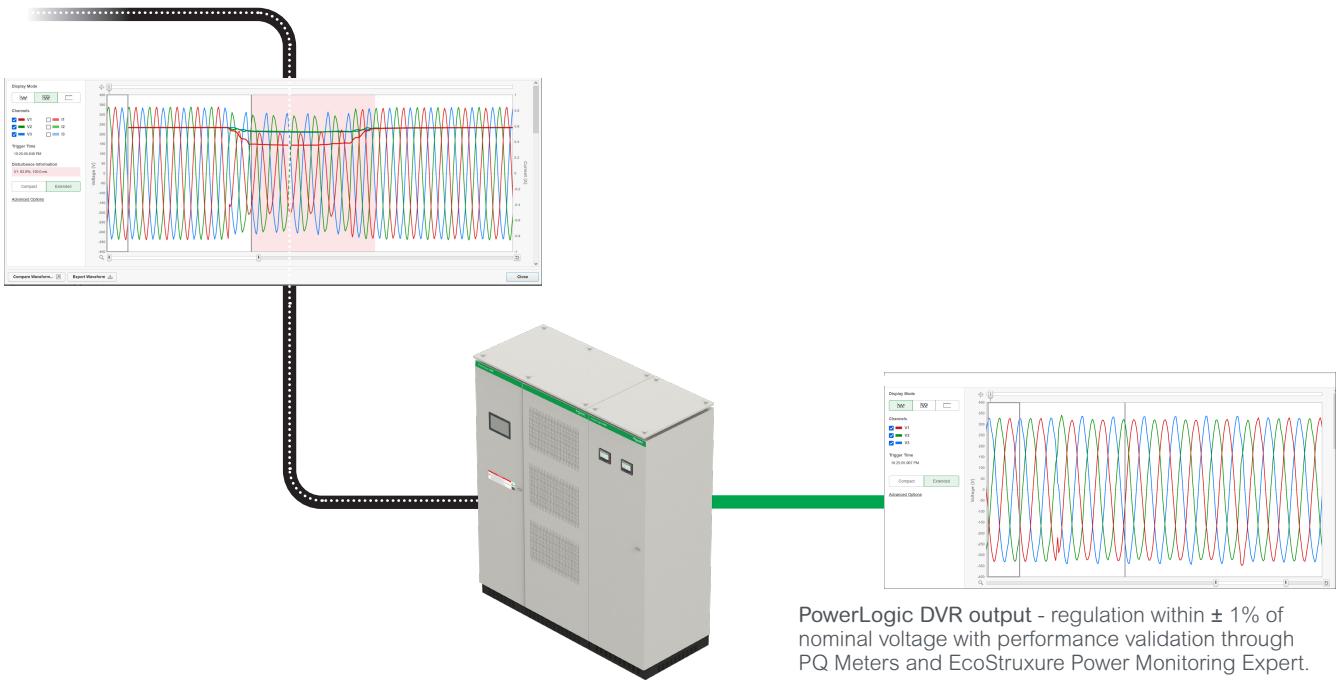


PowerLogic DVR Operating Principle

Very high-performance power supply system of more than 98%.

The PowerLogic DVR system is an IGBT-based electronic compensator that injects and absorbs energy to help mitigate the effect of electrical disturbances and offer an extremely stable voltage ($V_n \pm 1\%$) with a very fast response. It regulates nominal voltage up to + or - 20% continuously and compensates voltage sags up to 70% without using energy storage like battery or capacitors.

PowerLogic DVR input - Sag captured at the incomer (37.2% sag or 62.8% remaining voltage).



Three modes of operation

Normal mode

- Corrects +/- 20% overvoltage or sag.
- Corrects momentary, temporary and instantaneous sag up to guaranteed duration.

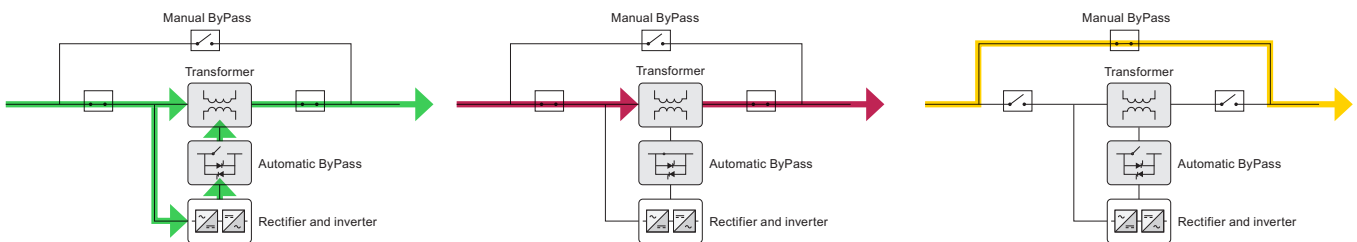
Automatic bypass mode

Line supply automatically continues to the load, if:

- Above the overvoltage limits (+20%) or if the sag continues over and above the guaranteed sag correction time.
- DVR faulty or load is more than inverter operational limit.

Manual bypass mode*

- Enables maintenance work without interrupting the electrical supply to the load.
- In this operating mode, loads will not be protected against disturbances in the electrical supply.



PowerLogic DVR Configuration

The PowerLogic DVR consists of a Main module, Secondary module (depending on the rating) and a Manual ByPass module.

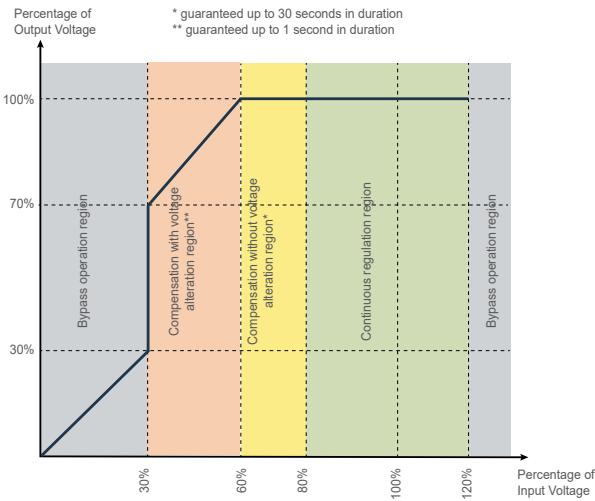
In addition to the Automatic ByPass (which comes integrated), it is recommended to install a Manual ByPass as it allows continuous power supply to the load during the maintenance of the PowerLogic DVR.

- Manual ByPass comes integrated with a surge arrestor (SPD).
- Manual ByPass are of ratings : 630 A, 1250 A, 2000 A, and 3200 A.
- Manual ByPass comes integrated with 2 numbers of PM8000 range Power Quality meters.

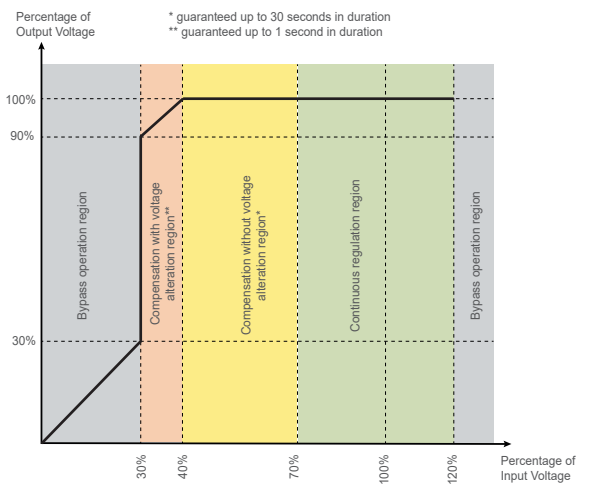
Sag/time curve for three-phase sag

L-L sag for the three types of equipment and the generic curve.

Three-phase sag DVR 300 kVA 40%



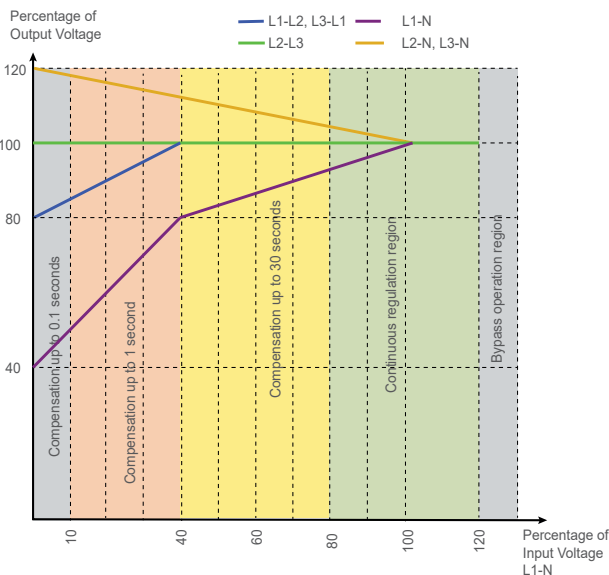
Three-phase sag DVR 150 kVA 60%



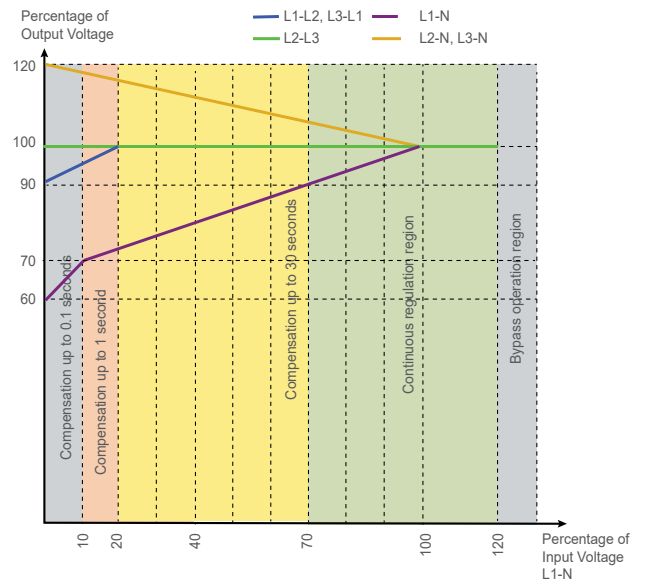
Sag/time curve for single-phase sag

L-L sag for the three types of equipment.

Single-phase sag DVR 40%



Single-phase sag DVR 60%



Technical Specifications

PowerLogic DVR Specifications

Input

Available nominal voltage	208, 400, 440, 480 V, cSGSUs certified (600 and 690 V cSGSUs available after order entry)
Available nominal kVA	150...900 kVA (larger ratings available on request)
Continuous regulation range	+ 20...- 20 % ; +20...- 25 %; +20...- 30 % (depending on model)
Supply frequency	50/60 Hz +/-10%
Power system	3P + PE or 3P + N + PE
Maximum THDu	THDu < 5% (recommended), <8% Maximum : output voltage regulated at +/- 1%; THDu > 8% (Short time only): output voltage regulated up to +/-3%. THDu Max limit - 10%
Acceptable Df/dt (variation of frequency)	3 Hz/s

Output

Voltage	The same of input nominal voltage (output voltage can be adjusted)
Admitted load variation	Up to 100%
Admitted load imbalance	Up to 100%
Admitted overload (inverter)	Inverter overload 110% 30 s , 150% 1 s
Output PF	No load power factor limitation

Performance

Efficiency	Global efficiency \geq 98% Linear load at nominal Power PF 0,8 = 97,7% Linear load at nominal Power PF 1 = 98,1% Non-linear load at nominal Power = 97,4%
SAG correction response	<3 ms
Output voltage accuracy	+/-1% typical
SAG correction accuracy	+/-1% (same as static accuracy)
SAG correction capability	For 3ph: -40...-60 % (depending range) for 30 s. For 1ph: - 100% (100ms).
Output voltage when outside of the voltage tolerance	Transfer to bypass mode

Automatic bypass

Short circuit withstand	30 In for 200 ms
Bypass capacity/ overload	200% for 60 s 500% for 10 s 3000% for 200 ms If overload is exceeded equipment integrity is not guaranteed
Transfer time (from inverter to bypass)	<0.5 ms

Manual bypass

Rating	4 models 630, 1250, 2000, 3200 A
Components	3 Switches/Isolators, 2 x PowerLogic PM8000 Range PQ Meters, Surge Arrestor (SPD)
Connections	External connection to manual bypass; top or bottom DVR internal connections; bottom

Technical Specifications

Buck/Boost transformer

Type	Dry transformer
Voltage drop/loss Uk (on electronic bypass) equivalent series impedance	<2%
MTTR (rectifier/inverter/automatic bypass modules)	4-6 hours if spares available
Preventive maintenance	Refer to PowerLogic DVR Installation Manual

PowerLogic DVR Specifications

Environmental and operational specifications

Operating temperature range	0...40 °C (32...104 °F)
Storage temperature range	-15...+45 °C
Operating altitude	<1000 m without derating
Inverter cooling	Forced ventilation
Transformer cooling	Forced ventilation
Max relative humidity	95% (non condensing)
Pollution degree rating/ Overvoltage category	Pollution degree 2/OVC III
Noise	Less than 75 dB

HMI

Screen	Colour touch screen 9"
Languages	English, Chinese, Spanish
Diagnosis	Non-volatile power quality events and alarms log

Enclosure

Protection degree	IP 20/UL Type 1
Material	Cold rolled steel (DC01) for 1.5 mm Hot rolled steel (DD11) for 2-3 mm
Finish	Polyester powder painted metal sheet
Color	RAL 7035
Enclosure access	Hinged doors without key lock (special opening tool)
AC power cables access	Bottom only (from the base of the enclosure)

Standards

Marking	CE; cSGSUS
Safety	IEC 62477-1 (2016); UL 1741; CSA C22.2 NO. 107.1:16 (R2021)
EMC	IEC 61000 6-2 and IEC 61000 6-4
SAG performances	IEEE 1668, SEMI F47, IEC 61000-4-34
Environmental management	ISO 14001
Quality	ISO 9001

Selection Table: 208...690 V

Maximum Sag Correction	Voltage	PowerLogic™ DVR Rating	System configuration	PowerLogic™ DVR Integrated Drawing Reference	PowerLogic™ DVR Main Module	PowerLogic™ DVR Secondary Module
40%	208	150	M+B	DVR15040208	DVR15040208M	0
40%	208	300	M+B	DVR30040208	DVR30040208M	0
40%	208	440	M+S+B	DVR44040208	DVR44040208M	DVR44040208S
40%	208	600	M+S+B	DVR60040208	DVR60040208M	DVR60040208S
40%	208	750	M+2S+B	DVR75040208	DVR75040208M	DVR75040208S
40%	208	900	M+2S+B	DVR90040208	DVR90040208M	DVR90040208S
50%	208	220	M+B	DVR22050208	DVR22050208M	0
50%	208	440	M+S+B	DVR44050208	DVR44050208M	DVR44050208S
50%	208	660	M+2S+B	DVR66050208	DVR66050208M	DVR66050208S
60%	208	150	M+B	DVR15060208	DVR15060208M	0
60%	208	300	M+S+B	DVR30060208	DVR30060208M	DVR30060208S
60%	208	450	M+2S+B	DVR45060208	DVR45060208M	DVR45060208S
40%	400	150	M+B	DVR15040400	DVR15040400M	0
40%	400	300	M+B	DVR30040400	DVR30040400M	0
40%	400	440	M+S+B	DVR44040400	DVR44040400M	DVR44040400S
40%	400	600	M+S+B	DVR60040400	DVR60040400M	DVR60040400S
40%	400	750	M+2S+B	DVR75040400	DVR75040400M	DVR75040400S
40%	400	900	M+2S+B	DVR90040400	DVR90040400M	DVR90040400S
50%	400	220	M+B	DVR22050400	DVR22050400M	0
50%	400	440	M+S+B	DVR44050400	DVR44050400M	DVR44050400S
50%	400	660	M+2S+B	DVR66050400	DVR66050400M	DVR66050400S
60%	400	150	M+B	DVR15060400	DVR15060400M	0
60%	400	300	M+S+B	DVR30060400	DVR30060400M	DVR30060400S
60%	400	450	M+2S+B	DVR45060400	DVR45060400M	DVR45060400S
40%	440	150	M+B	DVR15040440	DVR15040440M	0
40%	440	300	M+B	DVR30040440	DVR30040440M	0
40%	440	440	M+S+B	DVR44040440	DVR44040440M	DVR44040440S
40%	440	600	M+S+B	DVR60040440	DVR60040440M	DVR60040440S
40%	440	750	M+2S+B	DVR75040440	DVR75040440M	DVR75040440S
40%	440	900	M+2S+B	DVR90040440	DVR90040440M	DVR90040440S
50%	440	220	M+B	DVR22050440	DVR22050440M	0
50%	440	440	M+S+B	DVR44050440	DVR44050440M	DVR44050440S
50%	440	660	M+2S+B	DVR66050440	DVR66050440M	DVR66050440S
60%	440	150	M+B	DVR15060440	DVR15060440M	0
60%	440	300	M+S+B	DVR30060440	DVR30060440M	DVR30060440S
60%	440	450	M+2S+B	DVR45060440	DVR45060440M	DVR45060440S

M = Main module, S = Secondary module, B = Bypass module

PowerLogic DVR

PowerLogic™ DVRByPass Module (with PQ Meter and Surge Arrestor)"	Complete Assembly (kg/lbs)	Complete Assembly Dimension (Main, Secondary and Bypass Module) LengthxWidthxHeight (mm/in)	Losses at Nominal Power KW	Rated Input Current (A)	Rated Output Current (A)	Fault Capacity [kA]
DVRBP630208	1800/3968	2450x750x2152/96x30x85	2.25	541	433	28
DVRBP1250208	1975/4354	2935x750x2152/116x30x85	4.5	1083	866	28
DVRBP2000208	3775/8322	4770x750x2152/188x30x85	6.6	1588	1270	56
DVRBP3200208	3975/8763	4870x750x2152/192x30x85	9	2165	1732	56
DVRBP3200208	5575/12291	6705x750x2152/264x30x85	11.25	2707	2165	84
DVRBP3200208	5575/12291	6705x750x2152/264x30x85	13.5	3248	2598	84
DVRBP1250208	1975/4354	2935x750x2152/116x30x85	3.3	847	635	22
DVRBP2000208	3775/8322	4770x750x2152/188x30x85	6.6	1694	1270	44
DVRBP3200208	5575/12291	6705x750x2152/264x30x85	9.9	2540	1905	66
DVRBP1250208	1975/4354	2935x750x2152/116x30x85	2.25	619	433	22
DVRBP1250208	3575/7882	4770x750x2152/188x30x85	4.5	1237	866	44
DVRBP2000208	5375/11850	6605x750x2152/260x30x85	6.75	1856	1299	66
DVRBP630400	1450/3197	1829x750x2152/72x30x85	2.25	285	228	15
DVRBP630400	1450/3197	1829x750x2152/72x30x85	4.5	570	456	15
DVRBP1250400	2875/6338	3528x750x2152/139x30x85	6.6	836	669	30
DVRBP1250400	2875/6338	3528x750x2152/139x30x85	9	1140	912	30
DVRBP2000400	4325/9535	4742x750x2152/187x30x85	11.25	1425	1140	45
DVRBP2000400	4325/9535	4742x750x2152/187x30x85	13.5	1709	1367	45
DVRBP630400	1450/3197	1829x750x2152/72x30x85	3.3	446	334	12
DVRBP1250400	2875/6338	3528x750x2152/139x30x85	6.6	891	669	24
DVRBP2000400	4325/9535	4742x750x2152/187x30x85	9.9	1337	1003	36
DVRBP630400	1450/3197	1829x750x2152/72x30x85	2.25	570	228	12
DVRBP1250400	2875/6338	3528x750x2152/139x30x85	4.5	1140	456	24
DVRBP1250400	4125/9094	4742x750x2152/187x30x85	6.75	1703	684	36
DVRBP630440	1800/3968	2450x750x2152/96x30x85	2.25	247	197	15
DVRBP630440	1800/3968	2450x750x2152/96x30x85	4.5	493	394	15
DVRBP1250440	3575/7882	4770x750x2152/188x30x85	6.6	722	578	30
DVRBP1250440	3575/7882	4770x750x2152/188x30x85	9	985	788	30
DVRBP1250440	5175/11409	6605x750x2152/260x30x85	11.25	1231	985	45
DVRBP2000440	5375/11850	6605x750x2152/260x30x85	13.5	1477	1181	45
DVRBP630440	1800/3968	2450x750x2152/96x30x85	3.3	385	289	12
DVRBP1250440	3575/7882	4770x750x2152/188x30x85	6.6	770	578	24
DVRBP1250440	5175/11409	6605x750x2152/260x30x85	9.9	1155	867	36
DVRBP630440	1800/3968	2450x750x2152/96x30x85	2.25	282	197	12
DVRBP630440	3400/7496	4285x750x2152/169x30x85	4.5	563	394	24
DVRBP1250440	5175/11409	6605x750x2152/260x30x85	6.75	844	591	36

Selection Table: 208...690 V (cont'd)

Maximum Sag Correction	Voltage	PowerLogic™ DVR Rating	System configuration	PowerLogic™ DVR Integrated Drawing Reference	PowerLogic™ DVR Main Module	PowerLogic™ DVR Secondary Module
40%	480	150	M+B	DVR15040480	DVR15040480M	0
40%	480	300	M+B	DVR30040480	DVR30040480M	0
40%	480	440	M+S+B	DVR44040480	DVR44040480M	DVR44040480S
40%	480	600	M+S+B	DVR60040480	DVR60040480M	DVR60040480S
40%	480	750	M+2S+B	DVR75040480	DVR75040480M	DVR75040480S
40%	480	900	M+2S+B	DVR90040480	DVR90040480M	DVR90040480S
50%	480	220	M+B	DVR22050480	DVR22050480M	0
50%	480	440	M+S+B	DVR44050480	DVR44050480M	DVR44050480S
50%	480	660	M+2S+B	DVR66050480	DVR66050480M	DVR66050480S
60%	480	150	M+B	DVR15060480	DVR15060480M	0
60%	480	300	M+S+B	DVR30060480	DVR30060480M	DVR30060480S
60%	480	450	M+2S+B	DVR45060480	DVR45060480M	DVR45060480S
40%	600	150	M+B	DVR15040600	DVR15040600M	0
40%	600	300	M+B	DVR30040600	DVR30040600M	0
40%	600	440	M+S+B	DVR44040600	DVR44040600M	DVR44040600S
40%	600	600	M+S+B	DVR60040600	DVR60040600M	DVR60040600S
40%	600	750	M+2S+B	DVR75040600	DVR75040600M	DVR75040600S
40%	600	900	M+2S+B	DVR90040600	DVR90040600M	DVR90040600S
50%	600	220	M+B	DVR22050600	DVR22050600M	0
50%	600	440	M+S+B	DVR44050600	DVR44050600M	DVR44050600S
50%	600	660	M+2S+B	DVR66050600	DVR66050600M	DVR66050600S
60%	600	150	M+B	DVR15060600	DVR15060600M	0
60%	600	300	M+S+B	DVR30060600	DVR30060600M	DVR30060600S
60%	600	450	M+2S+B	DVR45060600	DVR45060600M	DVR45060600S
40%	690	150	M+B	DVR15040690	DVR15040690M	0
40%	690	300	M+B	DVR30040690	DVR30040690M	0
40%	690	440	M+S+B	DVR44040690	DVR44040690M	DVR44040690S
40%	690	600	M+S+B	DVR60040690	DVR60040690M	DVR60040690S
40%	690	750	M+2S+B	DVR75040690	DVR75040690M	DVR75040690S
40%	690	900	M+2S+B	DVR90040690	DVR90040690M	DVR90040690S
50%	690	220	M+B	DVR22050690	DVR22050690M	0
50%	690	440	M+S+B	DVR44050690	DVR44050690M	DVR44050690S
50%	690	660	M+2S+B	DVR66050690	DVR66050690M	DVR66050690S
60%	690	150	M+B	DVR15060690	DVR15060690M	0
60%	690	300	M+S+B	DVR30060690	DVR30060690M	DVR30060690S
60%	690	450	M+2S+B	DVR45060690	DVR45060690M	DVR45060690S

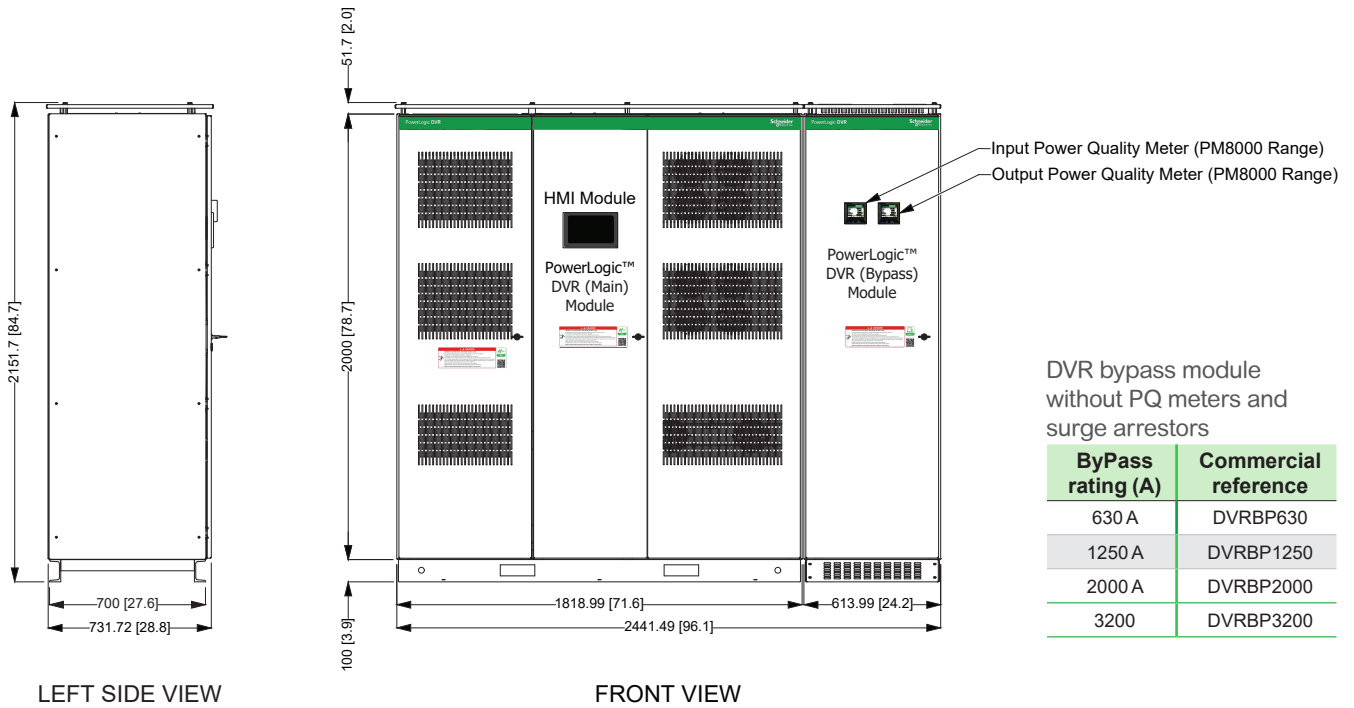
M = Main module, S = Secondary module, B = Bypass module

PowerLogic DVR

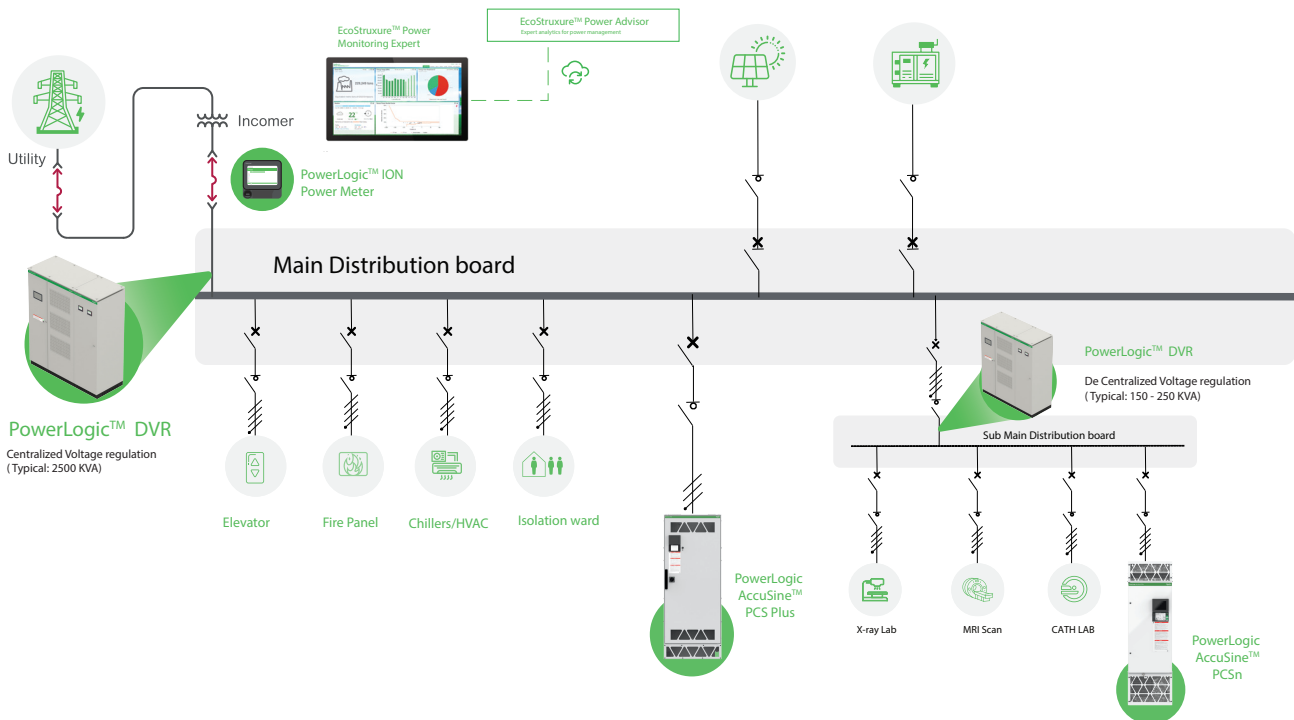
PowerLogic™ DVRByPass Module (with PQ Meter and Surge Arrestor)"	Complete Assembly (kg/lbs)	Complete Assembly Dimension (Main, Secondary and Bypass Module) LengthxWidthxHeight (mm/in)	Losses at Nominal Power KW	Rated Input Current (A)	Rated Output Current (A)	Fault Capacity [kA]
DVRBP630480	1800/3968	2450x750x2152/96x30x85	2.25	226	181	15
DVRBP630480	1800/3968	2450x750x2152/96x30x85	4.5	452	361	15
DVRBP1250480	3575/7882	4770x750x2152/188x30x85	6.6	662	530	30
DVRBP1250480	3575/7882	4770x750x2152/188x30x85	9	903	722	30
DVRBP1250480	5175/11409	6605x750x2152/260x30x85	11.25	1128	903	36
DVRBP2000480	5375/11850	6605x750x2152/260x30x85	13.5	1354	1083	36
DVRBP630480	1800/3968	2450x750x2152/96x30x85	3.3	352	265	12
DVRBP1250480	3575/7882	4770x750x2152/188x30x85	6.6	706	530	24
DVRBP1250480	5175/11409	6605x750x2152/260x30x85	9.9	1059	794	36
DVRBP630480	1800/3968	2450x750x2152/96x30x85	2.25	258	181	12
DVRBP630480	3400/7496	4285x750x2152/169x30x85	4.5	516	361	24
DVRBP1250480	5175/11409	6605x750x2152/260x30x85	6.75	774	542	36
DVRBP630600	1800/3968	2450x750x2152/96x30x85	2.25	181	145	15
DVRBP630600	1800/3968	2450x750x2152/96x30x85	4.5	361	289	15
DVRBP630600	3400/7496	4285x750x2152/169x30x85	6.6	530	424	30
DVRBP1250600	3575/7882	4770x750x2152/188x30x85	9	722	578	30
DVRBP1250600	5175/11409	6605x750x2152/260x30x85	11.25	903	722	36
DVRBP1250600	5175/11409	6605x750x2152/260x30x85	13.5	1083	867	36
DVRBP630600	1800/3968	2450x750x2152/96x30x85	3.3	283	212	12
DVRBP630600	3400/7496	4285x750x2152/169x30x85	6.6	565	424	24
DVRBP1250600	5175/11409	6605x750x2152/260x30x85	9.9	847	636	36
DVRBP630600	1800/3968	2450x750x2152/96x30x85	2.25	207	145	12
DVRBP630600	3400/7496	4285x750x2152/169x30x85	4.5	413	289	24
DVRBP630600	5000/11023	6120x750x2152/241x30x85	6.75	619	434	36
DVRBP630690	1800/3968	2450x750x2152/96x30x85	2.25	157	126	15
DVRBP630690	1800/3968	2450x750x2152/96x30x85	4.5	314	252	15
DVRBP630690	3400/7496	4285x750x2152/169x30x85	6.6	461	369	30
DVRBP630690	3400/7496	4285x750x2152/169x30x85	9	628	503	30
DVRBP1250690	5175/11409	6605x750x2152/260x30x85	11.25	785	628	36
DVRBP1250690	5175/11409	6605x750x2152/260x30x85	13.5	942	754	36
DVRBP630690	1800/3968	2450x750x2152/96x30x85	3.3	246	185	12
DVRBP630690	3400/7496	4285x750x2152/169x30x85	6.6	491	369	24
DVRBP1250690	5175/11409	6605x750x2152/260x30x85	9.9	737	553	36
DVRBP630690	1800/3968	2450x750x2152/96x30x85	2.25	180	126	12
DVRBP630690	3400/7496	4285x750x2152/169x30x85	4.5	259	252	24
DVRBP630690	5000/11023	6120x750x2152/241x30x85	6.75	538	377	36

DVR Configuration with 1 Main Module + 1 ByPass Module

Example: 300 kVA, 480 V DVR with 630 A ByPass with PQ meters and surge arrester



Typical Architecture



EcoStruxure™ Power Monitoring Expert

EcoStruxure™ Power Monitoring Expert simplifies management of complex power systems. As a key element in an EcoStruxure Power solution, PME takes full advantage of IoT connectivity and distributed intelligence to help maximize your uptime and operational efficiency.

Unlock your business potential with our adaptable PME subscription options and continuous expert support, designed to drive immediate wins and sustained growth.

- Open and Scripted architecture that connects to smart devices across your electrical system – power and energy meters, electric vehicle (EV) systems, protective relays and circuit breakers, RTUs and PLCs, VSDs, UPS and power quality (PQ) mitigation equipment – and integrates with process control systems and many other enterprise platforms.
- Convert data to action with customizable and intuitive web interface to allow real-time power and equipment monitoring. Track key performance indicators (KPIs) for energy and reliability or share energy sustainability and PQ metrics with shareholders. Apply advanced PQ analysis to identify the cause of disturbances and ensure reliable network operation, equipment performance, and reduced network outages.
- Unlock your power system's full potential with smart alarm management that clusters events and alarms for intuitive and powerful filtering searching and categorizing events and alarms. Graphical timeline analysis tools easily analyze events and alarm sequence, location, and potential impact.
- Use Advanced energy visualization and analysis tools to identify, calculate and track your main energy performance indicators (EnPIs), and help you audit and refine energy policy to have continuous improvement in energy performance.

Get insight into your electrical system health and energy efficiency so you can make informed decisions that improve performance.





Proactive electrical asset management

Services

Step into a new low-carbon and digital reality

EcoFit™ is our approach to modernize the electrical, critical power, cooling and automation systems that keep your business running while strengthening your environmental credentials. It equips your business with high-performance, digital electrical technologies and meaningful participation in the circular economy.

Supported by our qualified services experts, you give new life to your aging equipment with low-carbon footprint solutions.

Schneider Electric helps you make the right choice to revitalize your aging systems to balance between controlling the costs to maintain your installations and keep them running at peak performance.

Up to **90%** savings

by replacing only the core electrical components and avoiding manufacturing new products, saving water, raw materials and CO₂.

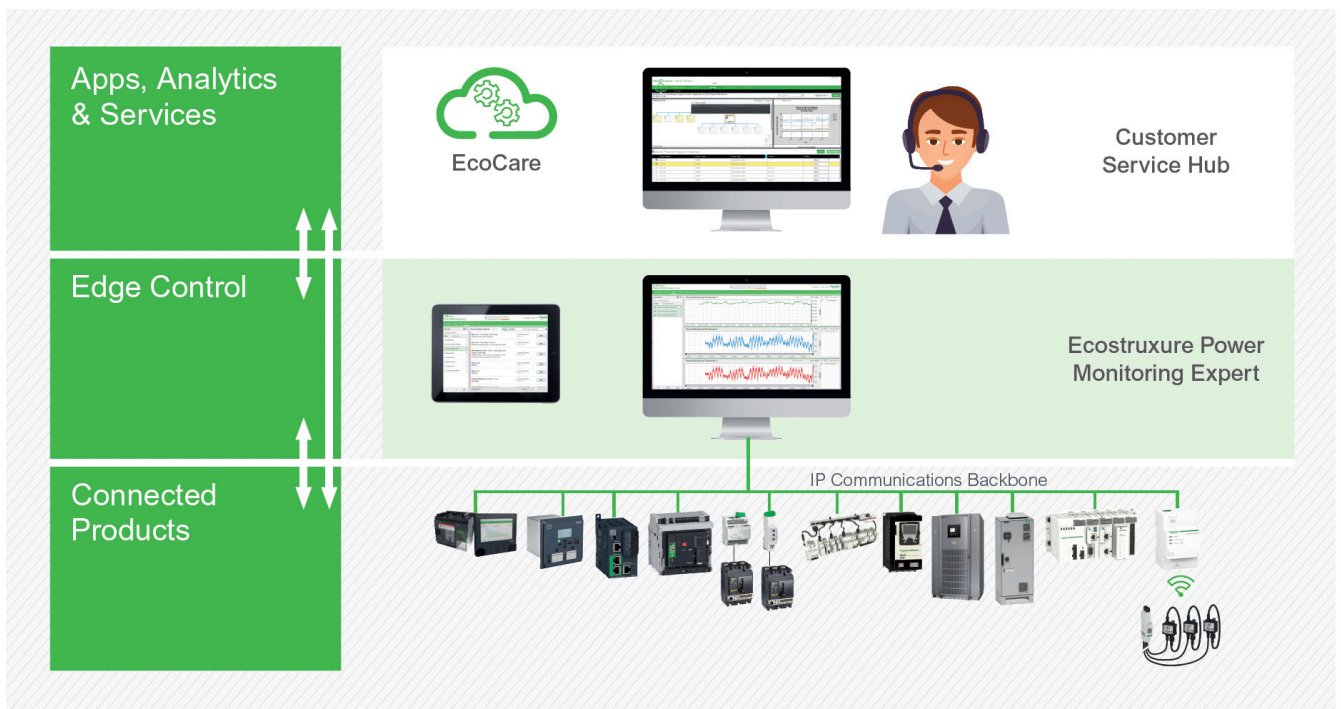
Digitize your electrical distribution installation with EcoFit

Digital modernization and connectivity is the best way to realize the benefits of digitalization

Partial discharge sensors, wireless humidity or temperature sensors, and power meters or numerical protection devices are fast, seamless, and cost-effective ways to digitize and monitor your LV and MV assets.

On-premise, centralized information with our EcoStruxure Power Monitoring Expert software provides strategic information on your system's power reliability, energy efficiency, and asset management.

Digital modernization enables the EcoCare connected maintenance contract. Our Customer Service Hub (CSH) will help you to optimize maintenance costs and help you to reduce unexpected shut down.



EcoConsult

Maximize your electrical system uptime and performance

EcoConsult Electrical Digital Twin

Experience a dynamic and data-driven model that optimizes safety, reliability, and efficiency.

The EcoConsult Electrical Digital Twin is a game-changer, that breathes life into your electrical system revealing its true functionalities and interconnections, it helps to see beyond the physical connections of the electrical assets, predicts the future, optimizes the performance and minimizes the downtime.

It aims to digitize your single-line diagram, but more than digitization is needed. That's why we back it with peace of mind by bundling it with power system studies and multi-year service agreements for guaranteed model updates and expert support to unlock the full potential of your electrical system.

EcoConsult System Studies

Help improve operator and equipment safety, and power system resiliency.

Our EcoConsult System Studies is a portfolio of power system analysis that helps you to size and design your system, define protection coordination, and implement Arc Flash practices. This is completed by other advanced analysis like power factor and harmonic studies to improve energy efficiency. Additional studies can be proposed based on the challenge you are facing like load flow, motor starting, electrodynamic stability, and so on.

EcoConsult Design

Enjoy the best-in-class expertise of our design consultant for your installations.

Enjoy the best in-class expertise of our design consultant to define new architectures and a modernization plan to help improving safety and meeting your business needs.

Our recommendations are provided through mySchneider, our collaborative platform for easy prioritization, follow up, design and implementation.

+250

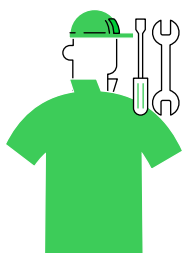
consultants, experts in power systems and automation delivering audits and systems studies.

+50

years of experience in power system studies.

+15

years of electro-intensive and sensitive sites benchmark from audit performed worldwide Patented algorithms detect single point of failure in customer electrical distribution.



Schneider Electric Services

Your partner for electrical and automation systems operations and resiliency, and workplace safety. Our consultants map your electrical and automation assets and systems with best-in-class software and digital twin technologies to help you improve safety and resiliency of your systems.

Services

EcoXperts Power Our Services

We have a wide network of certified Partners close to our end-users.

With our certified Partners, we always better serve our end-users needs and expectations.

As Trusted Partners, they are trained by Schneider Electric Subject Matter Experts to provide best-in-class level of expertise all over the world.

They are trained and qualified to use and promote our tools and procedures to perform optimized intervention minimizing time on-site and impact on the business.


Our EcoXperts make smart recommendations, offering solutions to support business continuity and help enhance the installation's lifetime. They modernize end users' installed base with connected assets and services, performed by Schneider Electric or certified EcoXperts.

As sought-after experts in their field, they transform data from your electrical distribution into actionable insights and give you recommendations through cloud-enabled expertise and predictive analytics.

As recognized and trusted Partner by Schneider Electric in front of an end user, they make recommendations, propose or perform services that keep your installation running at desired levels of operation.



Authorized Services Reseller



Schneider Electric

As Schneider Electric Authorized Services Reseller, you are trained and qualified to buy & resell services

- Sell maintenance, contract, spare parts, modernization and digital services.
- Remain the first interlocutor to your customer, while services offers are executed by Schneider Electric's experts.

EcoXpert™ Power Upgrade



Certified by Schneider Electric

EcoXpert™ Power Services



Certified by Schneider Electric

In addition to buy & resell services as EcoXpert power Upgrade & EcoXpert Power Services you can perform Services from essential to advanced level

- Differentiate from competitors with relevant services offers
- Boost employee expertise with dedicated training
- Become the solution provider and trusted advisor for your customer needs.



PQ Solutions

PowerLogic PFC

Smart Low Voltage Capacitor Banks

Energy efficiency, as simple as VarSet



Find out more visit www.se.com and download **PFCEd310004EN**

- Reduce electricity bills
- Reduce power losses
- Reduce CO₂ emissions

AccuSine PCSP

Harmonic Filtering and Reactive Power Compensations

The Schneider Electric solution for active harmonic filtering in industrial and building installations



Find out more visit www.se.com and download **AMTED109015EN**

- Optimize installation size
- Reduce harmonic distortion
- Avoid premature aging of equipment and destruction of sensitive components

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PQ for eMobility Infrastructure



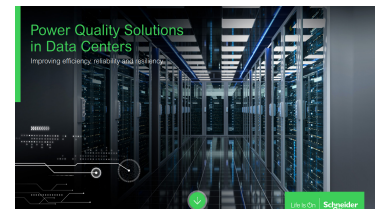
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Power Quality for Healthcare



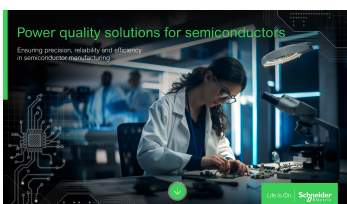
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Power Quality for Data Centers



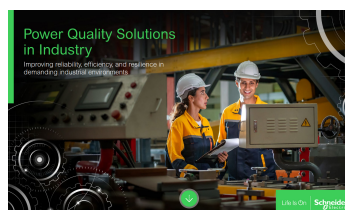
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Power Quality Solutions for Semiconductors



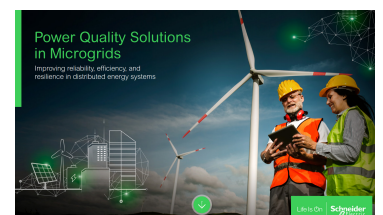
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Power Quality Solutions in Industry



Find out more visit www.se.com and download **998-24402700**

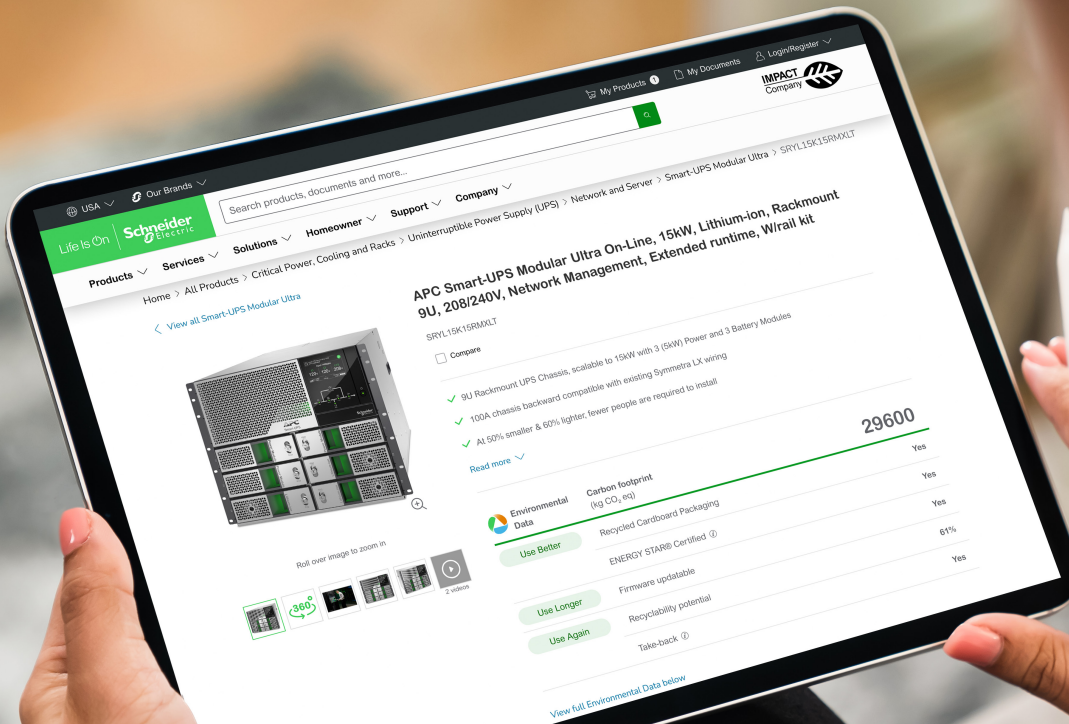
Power Quality for Microgrids



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Environmental Data Program

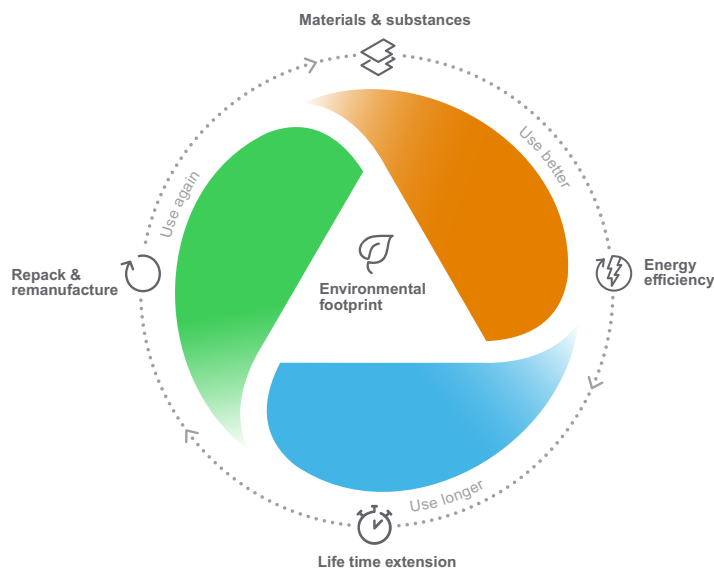


Next-level transparency for better-informed product choices

The Environmental Data Program is a framework for how we measure, categorize, and compare the environmental attributes and footprint of our products.

Using a rigorous, fact-based methodology, the program provides environmental data from across the product lifecycle.

Five data categories across the product lifecycle



Use Better: How sustainable a product is, including environmental footprint, materials and substances, packaging, and energy efficiency.

Use Longer: How a product's life time can be effectively extended in terms of reparability and updatability.

Use Again: How a product can be reused, from dismantling and remanufacturing to recyclability and manufacturer take back.

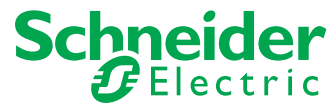
With this transparent, verified data, customers and partners are empowered to make conscious environmental choices and accurately evaluate and report on sustainability performance.

All our hardware offers have an associated environmental data available on se.com product pages.



Learn more about the **Environmental Data Program**

Life Is On



se.com

Schneider Electric Industries SAS
35 rue Joseph Monier
92500 Rueil Malmaison
France

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9298-21308859