Product datasheet

Specifications

Voltage regulator DVR, 440 kVA, 400 V, up to 40 % sags reduction, working as primary

DVR44040400M

Main

Product or component type	Voltage stabilizer

Complementary

Network type	3P 3P + N
Network rated voltage	400 V AC
Network frequency	50/60 Hz +/- 10 %
[THDU] total harmonic distorsion	0…5 % (nominal) 5…8 % (maximum): output voltage regulated at +/- 1 % 8…10 % (short time): output voltage regulated at +/- 3 % 10 % (limit)
Sag correction capability	For 3 phases 40 % for 30 s, accuracy +/- 1 %
Sag correction response	3 ms
Ride-through time	40 ms
Output voltage accuracy	+/- 1 % typical
Admitted output load	Up to 100% in variation Up to 100% in unbalance Inverter overload 110 %, 30 s Inverter overload 150 %, 1 s
Efficiency	at global efficiency load factor (98 %) Linear load at at nominal power load factor ,PF 0.8 (97.7 %) Linear load at at nominal power load factor ,PF 1 (98.1 %) Non-linear load at at nominal power load factor (97.4 %)
Continuous regulation range	-20…20 %
Power capacity	440 kVA
Display type	Colour touchscreen
Display size	9 inch
User language	English Chinese Spanish
Information displayed	Alarms List of events
Installed device	External bypass 1250 A
Transfer time	0.5 ms from inverter to bypass when outside of the output voltage tolerance
Overload withstand	2 In, 60 s 5 In, 10 s 30 In, 200 ms 30 In, if overload is exceeded equipment integrity is not guaranteed, 200 ms
Mean time to repair	2 h

Enclosure mounting	Floor-standing
Heat dissipation	Primary function
Electromagnetic compatibility	Voltage dips and interruptions immunity test conforming to IEC 61000-4-34 Immunity for industrial environments conforming to IEC 61000-6-2 Emission standard for industrial environments conforming to IEC 61000-6-4
Accessibility for operation	Front
Location of connection	Bottom
type of cooling	Forced cooling
Noise level	75 dB
Material	Cold-rolled steel Hot-rolled steel
Surface finish	Polyester powder

Environment

Enclosure degree of protection	IP20
Overvoltage category	III
pollution degree	2
Operating altitude	<= 1000 m without derating
Ambient air temperature for operation	0…40 °C
Relative humidity	0…95 % non-condensing
Standards	IEC 62477-1 SEMI F47 ISO 14001 ISO 9001
Product certifications	CE EAC C-Tick
Ambient air temperature for storage	-15…45 °C
Net weight	1250 kg
Height	2152 mm
Width	1214 mm
Colour	Light grey (RAL 7035)
Depth	750 mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	236.0 cm
Package 1 Width	84.5 cm
Package 1 Length	132.0 cm
Package 1 Weight	1425.0 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Packaging

EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration
China RoHS Regulation	China RoHS declaration

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Take-back	No