AVC SET DVR 220, 440 and 660 kVA 50%

Voltage sag compensation systems to assure the continuity of industrial processes

Description



AVC SET DVR is an innovating system designed to mitigate and eliminate the effect of electrical disturbances on critical industrial processes through the elimination of sags and transitory overvoltages. Power generation, transport and distribution systems are limited and their problems can affect production processes as well as to produce economic consequences.

AVC SET DVR guarantees the quality of the network, meeting the demands of industrial production processes, keeping stable & constant the output voltage regardless of input voltage variations.

AVC SET DVR is a flexible voltage compensator capable of correcting variations of input voltage, to offer a highly stable voltage $(\pm 0,5\%)$ with immediate response (<3msec).

It consists of a transformer, a reversible rectifier unit, plus an inverter. The aim of the AVC SET DVR is to offset disturbances, voltage imbalances, and to regulate them in case of possible fluctuations and overvoltages.

The system also supervises controls and logs all events.

The output voltage stabilisation is assured both for balanced (all three phases) and unbalanced (some of the phases) voltage variations.

Features of AVC SET DVR series

AVC SET DVR 220 kVA 50%

- > Mitigate three-phase voltage sags up to 70% of depth or one-phase interruptions.
- > Continuous operation to offer high stabilization $(\pm 0.5\%)$
- > High efficiency supply system >98.5%
- > From 30 to 900 kVA (other on demand)
- > Minimises the required investment
- > It does not require battery or other energy storage components
- > Compensation of voltage sags even for long times (up to 30 sec)
- > Swell compensation up to +20%
- > Compensation irrespective of phase
- > Compensation of balanced and unbalanced voltage drops
- > Automatic bypass
- >Withstand 150% overload for 1 sec
- > Less than 3ms response
- > Energy flow in both directions
- > Improved response in time
- > Reduction of operating costs
- > Guarantees maximum sturdiness of the system
- > Never interrupts service
- > Modular design which facilitates maintenance and repairs
- > Easy for connecting in parallel up to 3 equipments
- > Mitigate voltage sags according the standards: SEMI F47, IEC 61000-4-11 and IEC 61000-4-34 (depend on the model)
- > Turnkey project: tailor-made design for special needs





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215x665 mm	N 50178 (98), EN	-	61000-6-3	
215x665 mm		l 61000-6-2, EN	61000-6-3	
215x665 mm				
	2145x327			
		70x665 mm	2145x	4915x665 mm
	240	00 kg		3550 kg
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Optional	Inc	luded		Included
616x665 mm		-		-
250 kg		-		-
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10070				
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Three-phase correction capability curve of AVC SET DVR 220/440/660 kVA 50%



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