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Converter AC Line Configuration Attributes

These are the regenerative converter AC Line configuration attributes associated with the AC Line input to a converter.

Converter AC Input Frequency

Usage	Access	T	Data Type	Default	Min	Max	Semantics of Values
Optional - G	Set/SSV		USINT	1	-	-	Enumeration: 0 = 50 Hz 1 = 60 Hz 2-255 = Reserved

The Converter AC Input Frequency attribute determines the nominal frequency of the AC Line connected to the converter.

Converter AC Input Phasing

Usage	Access	T	Data Type	Default	Min	Max	Semantics of Values
Optional - G	Set/SSV		USINT	0	-	-	Enumeration: 0 = Three-Phase (R) 1 = Single-Phase (O) 2-255 = Reserved

The Converter AC Input Phasing attribute determines whether the Converter input power to AC line is Single-Phase or Three-Phase.

Converter AC Input Voltage

Usage	Access	T	Data Type	Default	Min	Max	Semantics of Values
Optional - G	Set/SSV		UINT	480	0	maxint	Volts (RMS)

The Converter AC Input Voltage attribute configures the converter for the intended AC line voltage during normal operation.

AC Line Voltage Unbalance Limit

Usage	Access	T	Data Type	Default	Min	Max	Semantics of Values
Optional - G	Set/SSV		REAL	3	0	100	% of Nominal

The AC Line Voltage Unbalance Limit attribute sets the maximum allowed voltage unbalance between the AC line phases. Exceeding this limit results in a Converter AC Unbalance exception. Nominal voltage is defined by the AC Line Voltage Nominal attribute.

AC Line Current Unbalance Limit

AC Line Current Unbalance Limit

Usage	Access	T	Data Type	Default	Min	Max	Semantics of Values
Optional - G	Set/SSV		REAL	3	0	100	% of Rated

The AC Line Current Unbalance Limit attribute sets the maximum allowed current unbalance between the AC line phases. Exceeding this limit results in a Converter AC Unbalance exception. Rated current is defined by the Converter Rated Input Current attribute.

AC Line Sync Error Tolerance

Usage	Access	T	Data Type	Default	Min	Max	Semantics of Values
Optional - G	Set/SSV		REAL	10	0	90	Degrees

The AC Line Sync Error Tolerance attribute sets the maximum allowed phase error associated with the AC line synchronization function of the regenerative converter. Exceeding this limit results in an AC Line Sync Loss exception.

See also

- [Converter Bus Voltage Control Signal Attributes](#)
- [Converter Current Reference Signal Attributes](#)
- [AC Line Condition Attributes](#)

[Attributes](#)

- [Converter Current Control Configuration Attributes](#)
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