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Converter Reactive Power Control Attributes

These are the reactive power control attributes for the Motion Device Axis Object for a Regenerative Converter.

Reactive Power Set Point

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

The Reactive Power Set Point attribute sets the reference current used to actively regulate the AC Line Reactive Power of the converter when in the Running state. Attribute units are expressed in percent for Converter Rated Output Power (Attr ID 724).

Positive value indicates lagging kVAR and negative value indicates leading kVAR.

Reactive Power Reference

Usage	Access	T	Data Type	Default	Min	Max	Semantics of Values
Optional - G	Get/GSV		REAL	-	-	-	% Rated

The Reactive Power Reference attribute is the rate limited reference signal into the Reactive Power Control function. Attribute units are expressed in percent for Converter Rated Output Power (Attr ID 724).

Reactive Power Available

Usage	Access	T	Data Type	Default	Min	Max	Semantics of Values
Optional - G	Get/GSV		REAL	-	-	-	% Rated

The Reactive Power Available attribute represents available Reactive Power based on the converter rating and the load on the converter. Attribute units are expressed in percent for Converter Rated Output Power (Attr ID 724).

Reactive Power Rate Limit

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

The Reactive Power Rate Limit attribute sets the active current rate limit for AC Line Reactive Power Set Point input. The output of the Reactive Power Rate Limit function is the AC Line Reactive Power Reference signal. Attribute units are expressed in percent for Converter Rated Output Power (Attr ID 724) per second.

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