

Freemaq

Statcom

Utility-scale static compensator



The Freemaq Statcom dynamically injects the required amount of reactive power into the grid.

Perfect solution installations with the most demanding reactive capability requirements.

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REFERENCES		FRAME 2	FRAME 3	FRAME 4
		FT1900	FT2850	FT3800
NUMBER OF MODULES		2	3	4
	AC Output Power (kVA/kW) @50°C ^[1]	1900	2850	3800
	Max. AC Output Current (A) @50°C	1590	2385	3180
	Operating Grid Voltage (VAC)	690V ±10%		
	Operating Grid Frequency (Hz)	50/60Hz		
	Current Harmonic Distortion (THDi)	< 3% per IEEE519		
EFFICIENCY	Efficiency (Max) (η)	98.84%	98.87%	98.93%
	Dimensions [WxDxH] (ft)	9.8 x 6.5 x 7.2		
	Dimensions [WxDxH] (m)	3.0 x 2.0 x 2.2		
CABINET	Weight (lbs)	11465	11795	12125
	Weight (kg)	5200	5350	5500
	Type of Ventilation	Forced air cooling		
	Degree of Protection	NEMA 3R / IP55		
ENVIRONMENT	Permissible Ambient Temp.	-35°C to +60°C, >50°C / Active Power derating		
	Relative Humidity	4% to 100% non-condensing		
	Max. Altitude (above sea level)	2000m / >2000m power derating (Max. 4000m)		
	Communication Protocol	Modbus TCP		
CONTROL INTERFACE	Power Plant Controller	Optional		
	Keyed ON/OFF Switch	Standard		
	Ground Fault Protection	Isolation monitoring device		
PROTECTIONS	Humidity Control	Active Heating		
	General AC Protection & Disconn.	Circuit Breaker		
	Overvoltage Protection	Type 2		

NOTES

[1] Values at 1.00·Vac nom. Consult Power Electronics for derating curves.