

Transient Power Module — 400 Series

The Alteryg FPS Transient Power Module (TPM) provides bridge power to equipment during the few seconds between power outage and the FPS Engine starting and producing full power. The TPM uses either one of the following to store the bridge between a power outage and power:

- Sealed (Value Regulated Lead Acid) Batteries — 24 VDC or 48 VDC; or
- Ultracapacitor — 24 VDC or 48 VDC

The TPM must be ordered as either 24 VDC or 48 VDC to match your power plant and FPS.

Note: The TPM is installed in the same Alteryg Power Cabinet as the FPS Engine.



Battery Version TPM
24 VDC
(Model # 400)

Battery Version TPM
48 VDC
(Model # 405)

The Ultracapacitor Version of the TPM – Limited Availability



(front view)

Ultracapacitor TPM
48 VDC
(Model # 425)



(rear view)

Ultracapacitor TPM
24 VDC
(Model # 420)

Transient Power Module Specifications

TPM – Batteries		24 Volt – Model # 400	48 Volt – Model # 405
Physical	Dimensions (w x d x h):	19" x 25.5" x 5" / 48 cm x 65 cm x 13 cm	19" x 25.5" x 5" / 48 cm x 65 cm x 13 cm
	Weight:	123 lbs / 56 kg	123 lbs / 56 kg
	Mounting:	19" / 23" Rack	19" / 23" Rack
Performance	Rated net power:	5 kW	5 kW
	Bridge Capacity:	25 kW - min	25 kW - min
	Rated peak current:	240 A	120 A
	Operating voltage (nominal):	24 VDC	48 VDC
	Operating voltage (range):	21 to 29 VDC	42 to 58 VDC
Operation	Ambient temperature:	36 to 115 °F / 10 to 46 °C	36 to 115 °F / 10 to 46 °C
	Relative humidity:	5 to 100%	5 to 100%
	Location:	Altery approved cabinet	Altery approved cabinet

TPM – Ultracapacitors		24 Volt – Model # 420	48 Volt – Model # 425
Physical	Dimensions (w x d x h):	19" x 30.5" x 5" / 48 cm x 77 cm x 13 cm	19" x 30.5" x 5" / 48 cm x 77 cm x 13 cm
	Weight:	92 lbs / 42 kg	92 lbs / 42 kg
	Mounting:	19" / 23" Rack	19" / 23" Rack
Performance	Rated net power:	5 kW	5 kW
	Bridge Capacity:	5 kW - min	5 kW - min
	Rated peak current:	240 A	120 A
	Operating voltage: (nominal)	24 VDC	48 VDC
	Operating voltage: (range)	21 to 29 VDC	42 to 58 VDC
Operation	Ambient temperature:	36 to 115 °F / 10 to 46 °C	36 to 115 °F / 10 to 46 °C
	Relative humidity:	5 to 100%	5 to 100%
	Location:	Altery approved cabinet	Altery approved cabinet



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