

48V DC System Distribution Module for Combining up to 21 genZ



Rackmount LFP Battery modules

The genZ Distribution Module is effectively a DC 'hub' allowing simple connection for up to 21 genZ rackmount batteries within a rack. This eliminates the need for installing busbars in a rack and provides an extremely safe and secure series of connections effectively eliminating the possibility of a short circuit as may occur with open bus bars.

Model Number	DM21100100ST-01
Compatibility	genZ 48V Rackmount LFP Battery Modules
Current	100A + 100A (BUS A + BUS B)
Operating Temperature	-20°C to 65°C
Operating Relative Humidity	85%
Ingress Protection (IP)	IP50
Dimensions (mm)	370±4D x 425±4W x 88±4H Front handles additional 26mm
Front Connector(s)	BUS-A and B Circuit Breaker Auxiliary Contacts (C/NO/NC)
Rear Connector(s) Battery (UL Rated to 120 Amps)	BUS-A 10 x Anderson SB50 (Blue) 1A-SUPP 1 x Anderson SB50 (Blue) BUS-B 10 x Anderson SB50 (Blue)
Rear Connector(s) Main Equipment DC BUS (50mm² to 280 Amps and 70mm² to 340 Amps)	BUS-A 1 x Anderson SB175 (Grey) BUS-B 1 x Anderson SB175 (Grey)
Material of Casing	Steel / Satin industrial coating
Weight	13±0.4kg
Circuit Breaker (s)	BUS-A 1 x 100 Amp (AIC 20kA) BUS-B 1 x 100 Amp (AIC 20kA) Double Pole, non-polarised, IEC 60947-2 BS Trip curve
Storage Temperatures (°C)	-20°C to 65°C
Storage Relative Humidity	85%
Warranty	12-months

¹ Note this is an unprotected output, directly connected internally to batteries on BUS-A and should be protected by a suitable breaker if being used as (for example) a pre-charge circuit. See Product Manual for more detailed information.



The simplicity of the genZ distribution module comes from the extensive use of Anderson modular connectors. The genZ Distribution Module is fixed with an integrated double pole magnetic/hydraulic circuit breaker(s) with auxiliary contacts providing a clean set of Common/Normally-Closed/Normally-Open connection points to indicate circuit breaker status.

genZ manufacturers Anderson to Anderson patch cables in a standard 1.8m length and double insulated 16mm red and blue cable part number GCAB16A18-RB-AB



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