EVP-SERIES

High Voltage DC Contactor

REAL PRODUCT IMAGE

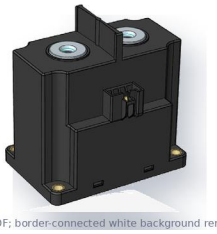


Image extracted from source PDF; border-connected white background removed where applicable.

KEY RATINGS

MODEL RANGE **EVP-250 / EVP-350 / EVP-600**	MAX BREAKING VOLTAGE **1500 VDC**
RATED SWITCHING CURRENT **250 / 350 / 600 A**	CONTACT FORM **1 Form A (SPST-NO)**
AUX CONTACT **1 Form A (SPST-NO)**	COIL POWER **Start 50W / Hold 5W**

PRODUCT FEATURES

- Hermetically sealed with ceramic technology
- Breaking capacity at 1500VDC
- Equipped with auxiliary contact
- Allow for bi-directional load
- Dual coil design with hold power 5.0W

CONTACT / LOAD DATA

Models	**EVP-250 / EVP-350 / EVP-600**
Max Breaking Voltage	**1500 VDC**
Max Breaking Capacity	**1000VDC, 2000A, 1 cycle**
Rated Switching Current	**250A / 350A / 600A**
Temporary Overcurrent 10 min	**400A / 500A / 800A**
Temporary Overcurrent 1 min	**550A / 650A / 1000A**
Contact Resistance	**0.4**

RELAY PERFORMANCE

Electrical Endurance	**100A 1500VDC make/break: 6000 ops**
Break-only Endurance	**200A: 2000 ops; 350A: 1000 ops**
Dielectric Strength	**4400 VAC main/coil/aux; 800 VAC aux open**
Insulation Resistance	**10^9 Ω @1000VDC min.**
Operate / Release Time	**50 ms max / 30 ms max**
Vibration / Shock	**10-2000Hz 5G / 20G peak**

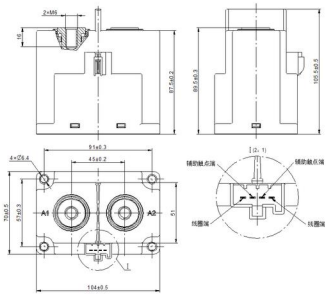
COIL OPTIONS

12 VDC	**Pickup 9V max; dropout 1.2V min; operate 16V max...**
24 VDC	**Pickup 18V max; dropout 2.4V min; operate 32V max...**

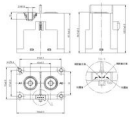
ENVIRONMENT / AUX / MECHANICAL

Auxiliary Contact	**1 Form A (SPST-NO)**
Aux Rated Load	**3A, 24VDC**
Ambient Temperature	**-40°C to +85°C**
Typical Applications	**BESS, photovoltaic inverters, megawatt EV...**

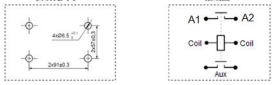
MECHANICAL OUTLINE / DIMENSIONS



MOUNTING / WIRING DIAGRAM



TOLERANCE / PERFORMANCE CURVE



ORDERING & SOURCE TRACEABILITY

EVP-250A/1500-12CF4 - source family code example; choose 250/350/600A rating and coil voltage per application.

Source PDF: High Voltage DC Contactor VPM Series.pdf

Technical values and diagrams are extracted from source PDF. Verify final order code and optional features with engineering before mass production or quotation.