**DC GROUND-FAULT PROTECTION**

![DC GROUND-FAULT PROTECTION Diagram](image)

**UNGROUNDED GROUND-FAULT DETECTION**

![UNGROUNDED GROUND-FAULT DETECTION Diagram](image)
Simplified Circuit Diagrams
Ground Fault Protection

GROUND FAULT PROTECTION

SINGLE-PHASE GROUND-FAULT PROTECTION

GROUNDED SUPPLY

CT

L

N

PGR-5701
(Sensitive Ground-Fault Relay)

PGR-4704
(Ground-Fault Relay)

POWR-GARD®

THREE-PHASE GROUND-FAULT PROTECTION

GROUNDED SUPPLY

CT

A

B

C

L1

L2

PGR-5701
(Ground-Fault Relay)

PGR-4704
(Sensitive Ground-Fault Relay)

POWR-GARD®
RESISTANCE GROUNDING

TRANSFORMER SECONDARY
(Delta-connected or wye-connected with inaccessible neutral)

PULSING GROUND-FAULT SYSTEMS

LOAD 1

LOAD 2

LOAD 3

GF

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GENERATOR GROUND-FAULT PROTECTION

GROUND-FAULT-RELAY TEST UNIT

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