

IGBT ASSEMBLIES

Powerex produces assemblies combining IGBT and IPM modules with other power components into integrated power structures to meet standard and customer specific application demands.

POW-R-PAK

Applications Include:

- Energy Storage
- Distributed Power Generation
- Industrial Power Supplies
- Motor Drives
- Power Quality

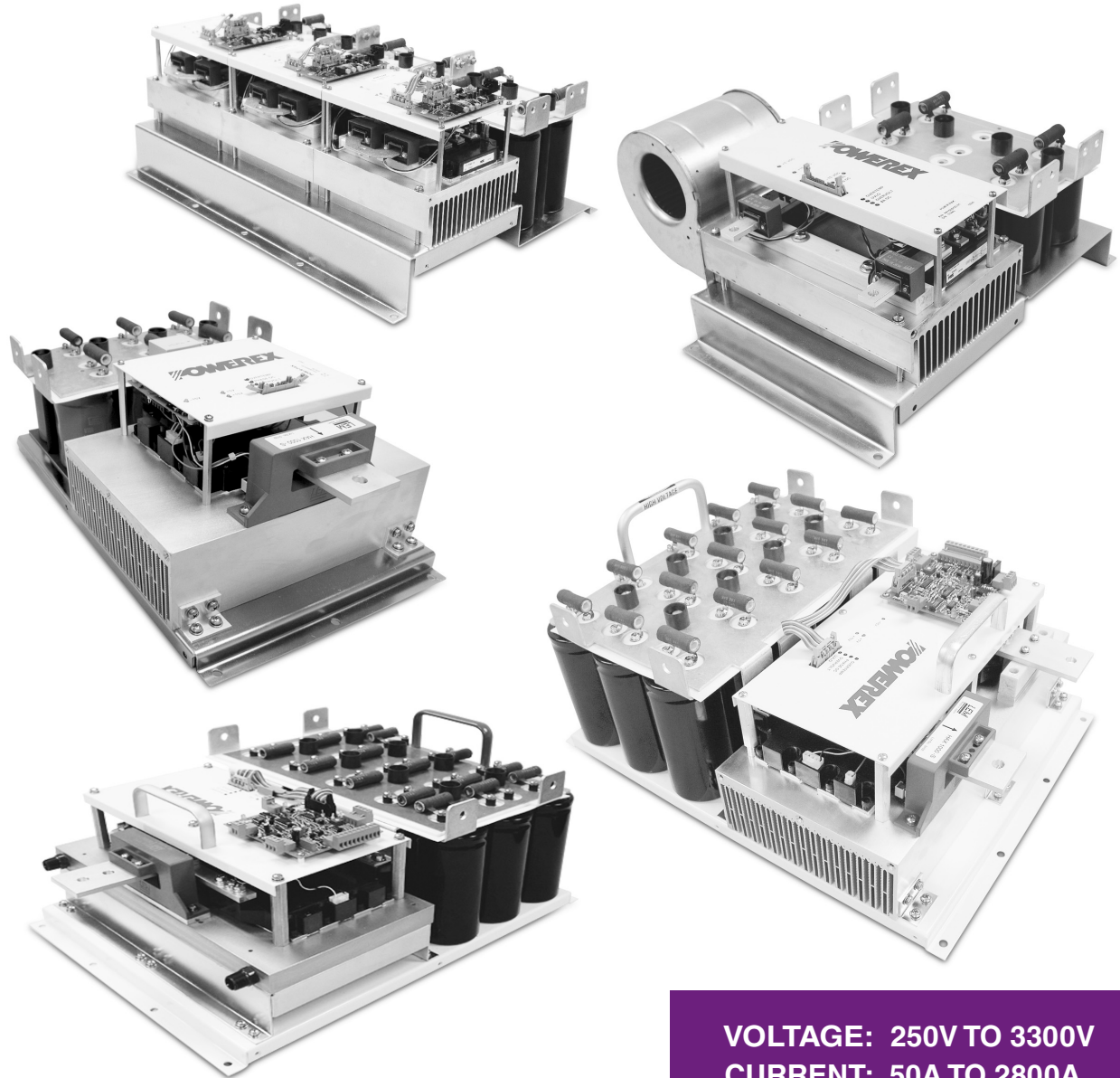
Package / Circuit Configurations:

- Half-Bridge
- H-Bridge
- Buck / Boost
- Three-Phase Bridge
- Three-Phase Bridge Plus Brake
- Converter / Inverter
- Dual Inverter
- Chopper

Note: Custom IGBT Assemblies Also Available

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VOLTAGE: 250V TO 3300V
CURRENT: 50A TO 2800A

Custom Modules

IGBT Assemblies

Assemblies

Fast Recovery & Three-Phase Diode Modules

Thyristor & Diode Modules

Discrete Rectifiers

Discrete Thyristors

Accessories

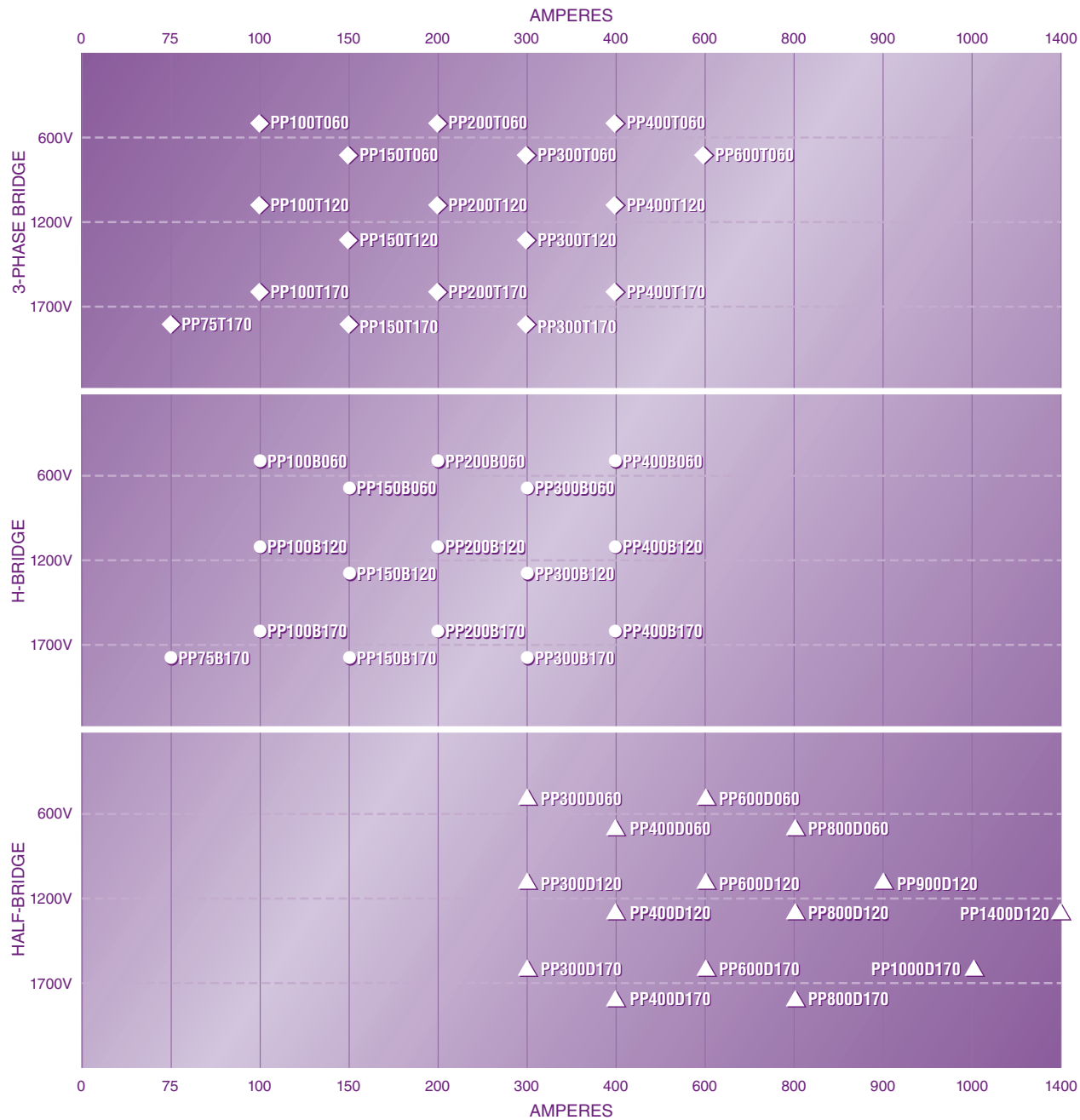
DIIPM

IPMs

MOSFET Modules

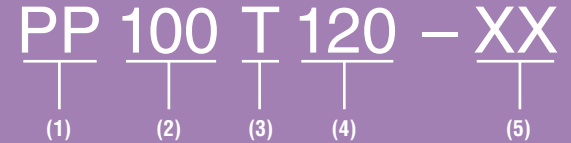
IGBTs

Product Overview



Numbering System

PP100T120-XX is an IGBT air cooled assembly rated at 1200 Volts and 100 Amperes.



- (1) Type:
 - PP = Air Cooled
 - PPL = Liquid Cooled
- (2) Current Rating (I_C)
- (3) Circuit Configuration:
 - T = Three-Phase
 - D = Half-Bridge
 - B = H-Bridge
 - R = Three-Phase + Brake
- (4) IGBT Voltage:
 - 060 = 600V
 - 120 = 1200V
 - 170 = 1700V
- (5) Options:
 - Blower / Fan
 - Diode or SCR Converter
 - Dual Inverter
 - Application Specific Design / Configuration