

# 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

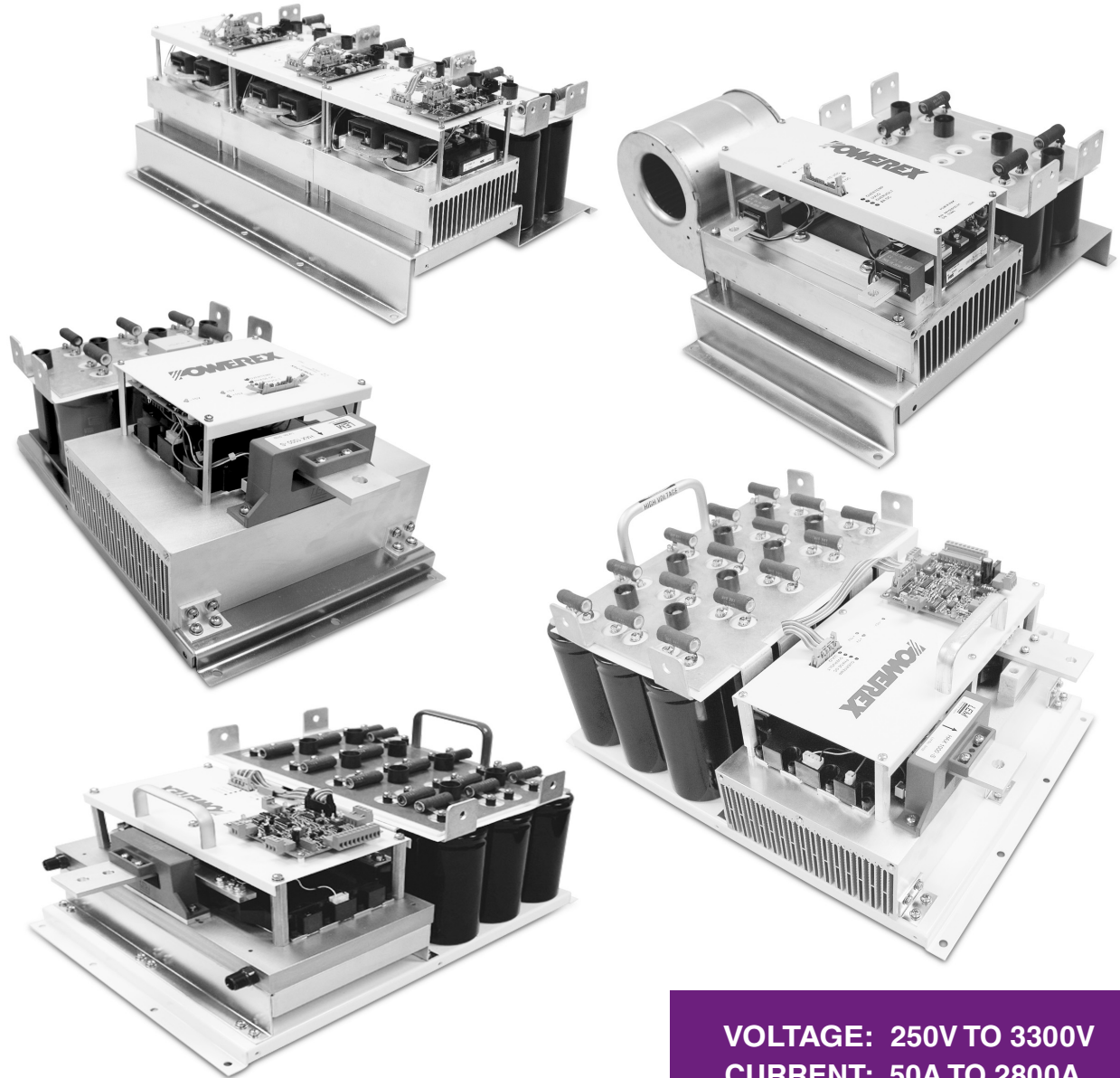
### Package / Circuit Configurations:

- 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*

## TABLE OF CONTENTS

Numbering System .....	K-2
Product Overview .....	K-2



**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

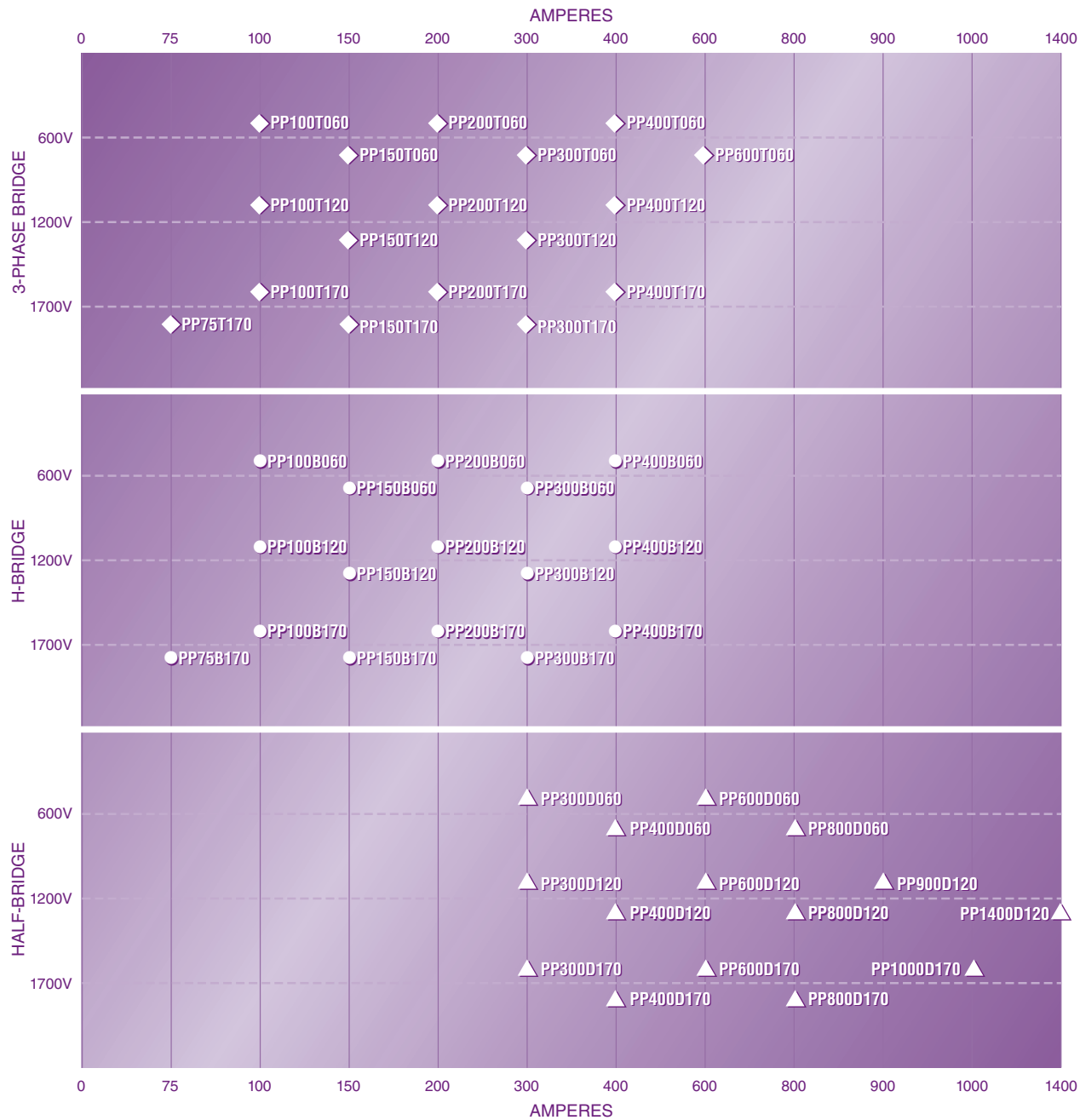
DIPIPM

IPMs

MOSFET  
Modules

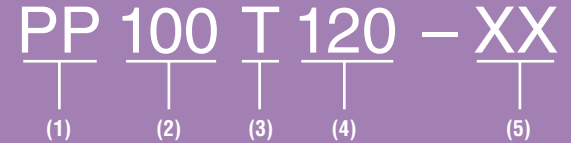
IGBTs

# 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