



PANELBOARD PROTECTION ON A GLOBAL SCALE

 **Appleton**

WHY APPLETON PANELBOARDS?

No matter what environment, location or power requirement, Appleton panelboards have you and your facility covered.

From a petrochemical plant in Saudi Arabia to a grain processing facility in America's heartland, Appleton's panelboards are there, providing protection and control of electrical apparatus and circuits in hazardous, damp, wet or corrosive environments according to NEC, CEC, IEC and ATEX standards. Appleton's complete range of designs, materials and options - from factory sealed to non-factory sealed and increased safety to flameproof - help ensure you have the flexibility to make the perfect panelboard choice.

Now there's another innovative panelboard to add to your selection set. Appleton's PowerPlex™ Panelboard offers component-level protection by transferring the flamepath from the enclosure to individual circuit breaker housings. It also offers the ultimate in convenience with field-replaceable breakers.

We know what you need from a panelboard: protection, durability, ease of installation and low maintenance costs. We build all of it in, so we can keep earning your trust year after year.

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PANELBOARD SELECTION GUIDE

RATING	PANELBOARD					
	EWP	APPF	ALPF	ALPN	APPN	AGPN
Class I, Division 1	●*	●*	●*	●	●	●
Class I, Division 2	●*	●*	●*	●	●	●
Class II, Division 1 and 2	●*	●	●	●	●	●
Class III	●	●	●	●	●	●
Class I, Zone 1						
Zone 1						
Zone 2						
Zone 21 and 22						
FEATURES	EWP	APPF	ALPF	ALPN	APPN	AGPN
Factory Sealed	●	●	●			
Non-Factory Sealed				●	●	●
UL Certification	●	●	●	●	●	●
CSA Certification		●	●	●	●	●
CSAus Certification		●	●	●	●	●
IEC Certification						
ATEX Certification						
NEMA Type	3, 3R, 4, 4X, 5, 7BCD, 9EFG, 12	4, 4X, 7BCD, 9EFG	4, 4X, 7BCD, 9EFG	4, 4X, 7BCD, 9EFG	4, 4X, 7BCD, 9EFG	4, 4X, 7BCD, 9EFG
Ingress Protection/Impact Resistant						
Main Breaker	100 Amp	●	●	●	●	●
Replaceable Breakers	●	●	●	●	●	●
No. of Circuits	6 to 36	12 to 42	12 to 42	12 to 42	12 to 42	4 to 24
Maximum Amperage	100 or 225	100 or 225	100 or 225	100 or 225	100 or 225	100 or 225
GFI	●		●	●		●
LED Indicator Lights (Miniature)						

* For Groups B and C, all conduits must be sealed adjacent to enclosure.

PANELBOARD SELECTION GUIDE

RATING	PANELBOARD				
	D2P	XP	POWERPLEX	DPE	DPD
Class I, Division 1		●			
Class I, Division 2	●*	●	●		
Class II, Division 1 and 2	●*	●	●		
Class III	●	●	●		
Class I, Zone 1		●	●		
Zone 1				●	●
Zone 2				●	●
Zone 21 and 22				●	●
FEATURES	D2P	XP	POWERPLEX	DPE	DPD
Factory Sealed	●	●	●	●	
Non-Factory Sealed		●			●
UL Certification	●	●	●		
CSA Certification		●	●		
CSA _{US} Certification		●	●		
IEC Certification		●	●		
ATEX Certification			●	●	●
NEMA Type	3, 3R, 4, 4X, 5, 7BCD, 9EFG, 12	3, 3R, 4, 4X, 5, 7BCD, 9EFG, 12	4X		
Ingress Protection/Impact Resistant		IP66	IP66	IP66, IK10	IP66, IK10
Main Breaker	100 Amp	●	100 - 150 Amp	●	●
Replaceable Breakers	●	●	●		
No. of Circuits	6 to 36	12 to 48	3 to 48	3 to 24	3 to 24
Maximum Amperage	100 or 225	100 or 225	100 or 225	63 or 160	63 or 160
GFI	●	●	●	●	●
LED Indicator Lights (Miniature)		●	●		

* For Groups B and C, all conduits must be sealed adjacent to enclosure.



CLASS I, DIVISION 1 & 2

APPN SERIES



NON-FACTORY SEALED POWER PANELBOARD – UP TO 600 VOLT

These panelboards address a variety of power distribution and lighting needs, and are available in both low-amp and high-amp versions. They offer explosionproof, dust-ignitionproof and watertight protection to meet both NEC and CEC Class I, Division 1 standards. They're ready to be wired and are commonly used to furnish protection and control of electrical equipment in hazardous locations.

Electrical Characteristics/Properties

- Permits selection of 1-, 2- or 3-pole breakers
- 12-circuit to 42-circuit panelboard configurations
- 100 Amp or 225 Amp main lug
- Up to 225 Amp main breaker available
- Up to 100 Amp backfed main breaker available (400 Amp available, consult factory)

Features

- Panel pre-drilled for future expansion
- Copper bus bars are standard
- Quad-Lead® stainless steel cover bolts are standard
- Padlockable breaker operators in either ON or OFF position without interfering with tripping of breakers
- Top feed standard, bottom feed optional
- Custom drill and tap entries

Standard Materials

- Enclosures: copperfree (4/10 of 1% max.) aluminum

Certifications

- Class I, Division 1 and 2, Groups B, C, and D
- Class II, Division 1 and 2, Groups E, F, and G
- Class III
- Class I, Zone 1, Group IIB +H₂
- NEMA 4, 4X, 7BCD, 9EFG
- UL Classified - Standard 67, 877, 1203
- CSA Certified - Standard C22.2 Nos. 29, 30

ALPN SERIES



NON-FACTORY SEALED LIGHTING PANELBOARD

Electrical Characteristics/Properties

- Available voltages are 120/208, 120/240 and 240 Vac

AGPN SERIES



NON-FACTORY SEALED GFI PANEL

Electrical Characteristics/Properties

- Available voltages are 120/208, 120/240 and 240 Vac

CLASS I, DIVISION 1 & 2

EWP SERIES

FACTORY SEALED PANELBOARD



The compact EWP Series – designed for use in Class I and Class II, Division 1 manufacturing and processing environments – offers superior protection against explosion where ignitable vapors, gases or combustible dusts are present. EWP is factory sealed. No external branch sealing fittings are needed (except for Division 1 Groups B and C). The EWP Series is ideal for damp, wet or corrosive conditions and is most commonly used for lighting, heat tracing and other electrical equipment.

Electrical Characteristics/Properties

- 12-circuit to 36-circuit panelboard configurations
- Permits selection of 1-, 2- or 3-pole breakers. 10,000 Amp Vac interrupting capacity is standard
- 120 Vac for 1-pole and up to 240 Vac for 2- or 3-pole
- 22,000 Amp Vac interrupting capacity available

Features

- Extra large, spring-loaded, self-locating breaker actuators
- Handles lock in either ON or OFF position without interfering with tripping of breakers
- Double door design permits independent access to breaker and junction compartments
- Breakers are pre-wired to terminal block to minimize installation time
- Insulated neutral lug provided as standard
- Provision for drains/breathers in both compartments
- Stainless steel captive, spring-out QuadLead[®] bolts for ease of access

Standard Materials

- Housings: copperfree (4/10 of 1% max.) aluminum

Certifications

- Class I, Division 1 and 2, Groups B, C, and D
- Class II, Division 1 and 2, Groups E, F, and G
- Class III
- NEMA 3, 3R, 4, 4X, 5, 7BCD, 9EFG, 12
- UL Standard: 67, 877, 1203

CLASS I, DIVISION 1 & 2

APPF SERIES

FACTORY SEALED POWER PANELBOARD



No matter what the hazard, from the smallest dust particles to combustible gas and vapors in wet and corrosive conditions, APPF Panelboards furnish unwavering protection. These units come factory sealed for an extra measure of safety and convenience. Use them to provide a centrally controlled switching system for large quantities of branch circuits for lighting, heating, small motors and other electrical equipment.

Electrical Characteristics/Properties

- Permits selection of 1-, 2- or 3-pole breakers
- 12-circuit to 42-circuit panelboard configurations
- 100 Amp or 225 Amp main lug
- Up to 225 Amp main breaker available
- Up to 100 Amp backfed main breaker available (400 Amp available, consult factory)

Features

- Panel pre-drilled for future expansion
- Copper bus bars are standard
- Quad-Lead® stainless steel cover bolts are standard
- Padlockable breaker operators in either ON or OFF position without interfering with tripping of breakers
- Top feed standard, bottom feed optional

Standard Materials

- Enclosures: copperfree (4/10 of 1% max.) aluminum

Certifications

- Class I, Division 1 and 2, Groups B, C, and D
- Class II, Division 1 and 2, Groups E, F, and G
- Class III
- Class I, Zone 1, Group IIB +H₂
- NEMA 4, 4X, 7BCD, 9EFG
- UL Classified - Standard 67, 877, 1203
- CSA Certified - Standard C22.2, Nos. 29, 30

ALPF SERIES

FACTORY SEALED LIGHTING PANELBOARD



Electrical Characteristics/Properties

- Available voltages are 120/208, 120/240 and 240 Vac

CLASS I, ZONE 1 CLASS I, DIVISION 2, GROUP B, C, & D

POWERPLEX

316L STAINLESS STEEL PANELBOARD



Appleton's PowerPlex™ Panelboard delivers component-level protection that increases hazardous location safety and flexibility while greatly reducing and simplifying maintenance. It transfers the flamepath from the panelboard enclosure to individual circuit breaker housings. Its modular design offers the convenience of field-replaceable breakers. The PowerPlex Panelboard is most commonly used for lighting, heat tracing and other electrical equipment.

Electrical Characteristics/Properties

- 3-circuit to 48-circuit panelboard configurations
- Main breakers available up to 150 Amps
- Branch circuit breakers available in 1-, 2- and 3-pole combinations with 10 to 150 Amp range – can be locked in ON or OFF position with no breaker tripping interference
- Available voltages are 120/208, 120/240, 240, 277/480, 480, 347/600 and 600 Vac

Features

- Lightweight design simplifies installation
- Easy access allows for quick, safe and simpler maintenance
- Field replaceable, standard North American Cutler Hammer F-Frame or QC-Series circuit breakers
- GFI version, 5mA and 30mA, single pole, 40 Amps maximum
- 50 Amps, AC3 rated contactor with auxiliary contacts
- Choice of internal or self-aligning external actuation
- Modular design and flexible mounting footprint provide almost endless breaker configurations
- Optional heaters available

Standard Materials

- Enclosure: 316L stainless steel
- Alternate enclosure: FRP (Fiberglass Reinforced Polyester)

Certifications

- cCSAus, cURus
- Class I, Division 2, Groups B, C, and D
- Class I, Zone 1, AEx de IIB+H₂ T5
- Ⓢ d IIB+H₂ T6 U
- Type 4X, IP66
- Rated -20°C to +40°C
- Optional Ex de IIB+H₂ for ATEX and IECEx



Easier, efficient maintenance with unsurpassed protection.

The PowerPlex Panelboard uses standard North American off-the-shelf circuit breakers that are readily field replaceable. Each circuit breaker housing utilizes labyrinth flamepath technology for unsurpassed protection at the component level.

XP SERIES



HYBRID FACTORY SEALED PANELBOARD – WITH STAINLESS STEEL TERMINAL ENCLOSURE

Tried, true and trusted in northern environments, these XP Panelboards feature a factory sealed breaker compartment with a separate stainless steel terminal enclosure. They are designed for Class I, Division 2 areas where flammable gases or vapors may be present and offer protection and control of electrical apparatus and circuits in hazardous, wet and corrosive environments. The XP Series is most commonly used for lighting and heat tracing.

Electrical Characteristics/Properties

- 12 to 48 circuit panelboard configurations with optional main breaker
- Permits selection of 1-, 2- or 3-pole breakers. 10,000 Amp Vac interrupting capacity standard
- Available voltages are 120/208, 120/240, 240, 277/480, 347/600 and 600 Vac
- Up to 65,000 interrupting capacity available

Features

- Factory sealed breaker compartment
- Self-aligning actuators can be locked in ON or OFF position. Will not prevent breaker from tripping
- Detailed marking is plainly visible for easy circuit identification
- Copper bus bars are standard
- Multiple terminal enclosure locations
- Optional LED indicator lights available

Standard Materials

- Panelboard enclosure and cover: copperfree (4/10 of 1% max.) aluminum
- Terminal enclosure: stainless steel

Certifications

- Class I, Division 2, Groups B, C, and D
- Class I, Zone 1 and 2, Groups IIB + H₂
- Class II, Division 1 and 2, Groups E, F, and G
- Class III
- AEx de/Ex de IIB + H₂, T6
- EMR (Energy Mine & Resources) Canada approved
- NEMA / EEMAC: 3, 4, 4X, 7BCD, 9EFG, 12
- IP66
- UL Standard: 67, 877, 1203
- CSA Standard: C22.2 Nos. 29 and 30
- CSA E60079-0:00; -1:01, -7:01
- CSA ENC. 3, 3R, 4, 4X, 7BCD, 9EFG, 12
- cCSAus Certified: 150241

CLASS I, DIVISION 2

D2P SERIES

FACTORY SEALED PANELBOARD



The D2P Series is designed for use in Class I, Division 2 areas where ignitable vapors or gases may be present, or in Class II, Division 1 areas where combustible dusts are present. The panelboard features a compact design and comes factory sealed without the need for external branch seal fittings. The D2P Series is most commonly used for lighting, heat tracing and protection of other electrical equipment.

Electrical Characteristics/Properties

- 12 to 36 circuit panelboard configurations
- Permits selection of 1-, 2- or 3-pole breakers. 10,000 Amp Vac interrupting capacity standard
- 120 Vac for 1-pole and up to 240 Vac for 2- or 3-pole
- 22,000 Amp Vac interrupting capacity available

Features

- Extra large spring loaded, self-locating design breaker actuators, 1-, 2- or 3-pole breakers in any sequence
- Stainless steel captive, spring-out QuadLead[®] bolts for ease of access
- Actuators lock in either ON or OFF position without interfering with tripping of breakers
- Double door design permits independent access to breaker and junction compartments
- Breakers are pre-wired to terminal block to minimize installation time
- Insulated neutral lug provided as standard
- Panelboards use standard Quicklag[®] circuit breakers
- Provision for drains/breathers in both compartments

Standard Materials

- Housings: copperfree (4/10 of 1% max.) aluminum

Certifications

- Class I, Division 2, Groups B, C, and D
- Class II, Division 1 and 2, Groups E, F, and G
- Class III
- NEMA 3, 3R, 4, 4X, 5, 7BCD, 9EFG, 12
- UL Standard: 67, 877, 1203

ATEX ZONE 1 & 2, ZONE 21 & 22, Exde

DPE SERIES

ATEX APPROVED INCREASED SAFETY PANELBOARD



These compact units provide a centrally controlled switching system for large quantities of branch circuits for lighting in hazardous areas where ignitable vapors, gases or highly combustible dusts are present. DPE Series Panelboards utilize a modular design with non-sealed breakers. DPE Panelboards feature non-sealed breakers in a lightweight polyester or 316L stainless steel enclosure.

Electrical Characteristics/Properties

- 1, 2, 3, 4 poles branch circuit breakers
- 440 Vac maximum, 60 Vdc (1-pole) or 125 Vdc (2-pole)
- Main breaker 40 Amp to 160 Amp
- Branch breaker 1 Amp to 63 Amp

Features

- Suitable for use in Zone 1 and 2, Zone 21 and 22
- Branch circuit breaker available with B, C or D tripping curve
- GFI branch circuit breaker available
- Padlockable branch and main circuit breakers
- Completely wired, easy field termination to terminal blocks
- Supplied with a wall-supporting frame for ease of installation
- Modular design provides for almost endless breaker configurations

Standard Materials

- Fiberglass reinforced polyester enclosure
- 316L stainless steel enclosure available

Certifications

- Zone 1 & 2 - 21 & 22
- II 2 GD
- ATEX / IEC Ex
- IP66 - IK10
- tD A21
- Exde IIC - Exdc IIB + H₂ (for PowerPlex version)



Can utilize PowerPlex technology for main breaker

ATEX ZONE 1 & 2, ZONE 21 & 22, Exd

DPD SERIES

FLAMEPROOF PANELBOARD



These compact units provide a centrally controlled switching system for large quantities of branch circuits for lighting in hazardous areas where ignitable vapors, gases or highly combustible dusts are present. DPD Series Panelboards utilize a modular design and are flameproof. DPD Panelboards feature non-sealed breakers in a gray marine grade aluminum alloy enclosure.

Electrical Characteristics/Properties

- Protection and control of electrical equipment in hazardous areas where ignitable vapors, gases or highly combustible dusts are present
- For installation in chemical and petrochemical plants, refineries and other process industries in Zone 1 & 2 and Zone 21 & 22
- These compact units provide a centrally controlled switching system
- Lighting panelboards are available in 6, 12, 18 and 24 circuits
- Heat tracing panelboards are available in 6, 12, 18 and 20 circuits

Features

Available versions:

- 3- or 4-Pole isolator switch or main breaker
 - Branch Circuit Breaker available with B, C or D tripping curve
 - GFI Branch Circuit Breaker available with B, C or D tripping curves, except for 1 + N poles
- 1, 2, 3, 4 and 1+N poles branch circuit breakers
- Isolator and breaker handles included as standard, can be padlocked in OFF position
- Copper bus-bar as standard
- Fully prewired on outgoing terminal block
- M8 earth-crossing terminal
- Hinged door
- 4 fixing lugs
- Cable glands and plugs to be ordered separately

Standard Materials

- Gray marine-grade aluminum alloy housing
- Stainless steel hardware
- Copper bus-bar

Certifications

- Zone 1 & 2 - 21 & 22
- II 2 GD
- ATEX / IEC Ex
- IP66 - IK10



Appleton is our premium line of industrial location products under the EGS Electrical Group family of brands.

EGS Electrical Group is a worldwide manufacturer of electrical products for virtually every type of environment. For over 150 years, our brands have been providing a rich tradition of long-term, practical, high quality solutions.

Distributors, contractors, engineers, electricians and site maintenance professionals around the world trust EGS brands to make electrical installations safer, more productive and more reliable.

EGS is organized into three focused businesses that provide distributors and end-users expert knowledge and excellent service.

Electrical Construction Materials
This group manufactures a broad range of electrical products including conduit and cable fittings, plugs and receptacles, enclosures and controls, conduit bodies and industrial lighting. Whether the application is hazardous location, industrial or commercial, the ECM group has the products to meet your needs.

Power Quality Solutions
This group offers the broadest power quality line, including UPS, power conditioners, voltage regulators, shielded transformers, surge suppression devices and power supplies.

Heating Cable Systems
This group offers a broad range of electrical heating cable products for residential, commercial, and industrial applications.

Electrical Construction Materials



Power Quality Solutions



Heating Cable Systems



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