

# Protection for Commercial Kitchens

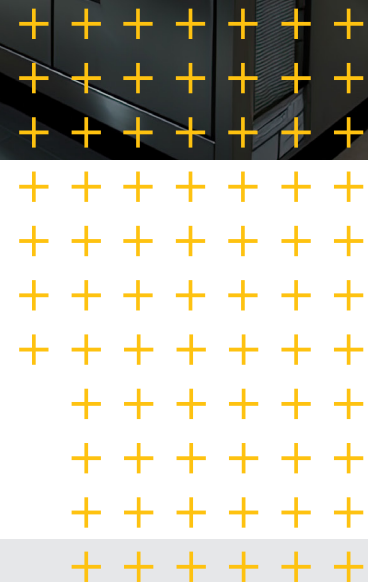
## PowerGuard Protection Panels



In commercial kitchens, the combination of a wet environment, stainless steel equipment, conductive surfaces, and combustible materials increase the risk of electrical shock incidents and fires. Adherence to sanitation standards necessitates the mobility of cooking and cleaning equipment, leading to the use of plug-and-cord connections. The cords used for this purpose are susceptible to damage over time and exposure to moisture, making them vulnerable to ground fault and shock risks. Internal components of appliances can degrade with time and exposure, which also increases the risk of a dangerous ground fault occurring.

The use of GFCI protection in a commercial kitchen where liquid, heat, and electricity are used simultaneously is critical. PowerGuard provides a proactive way to isolate hazards in commercial kitchen environments and eliminate shock risk.

- Class A GFCI for equipment and personnel protection
- Compatible with 3-phase and high amperage appliances like fryers, ovens, and dishwashers
- Enables compliance to latest NEC requirements regarding GFCIs in commercial kitchens
- NEMA4x enclosure is wash-down capable



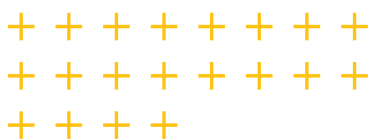
## Benefits

**Designed to fit the needs of commercial kitchens**  
Bender PowerGuard GFCIs are rated up to 100A and can handle loads that GFCI receptacles and breakers cannot, offering models to cover all voltage appliances in a commercial kitchen.

**Protects personnel and equipment**  
Quickly detects ground faults and interrupts the flow of electricity, safeguarding personnel from shock risk.

**Reduces maintenance costs**  
Features automatic self-test and end-of-life detection.

**Maintains compliance with latest electrical codes**  
GFCIs are required on a wide array of appliances and receptacles under latest NEC codes.

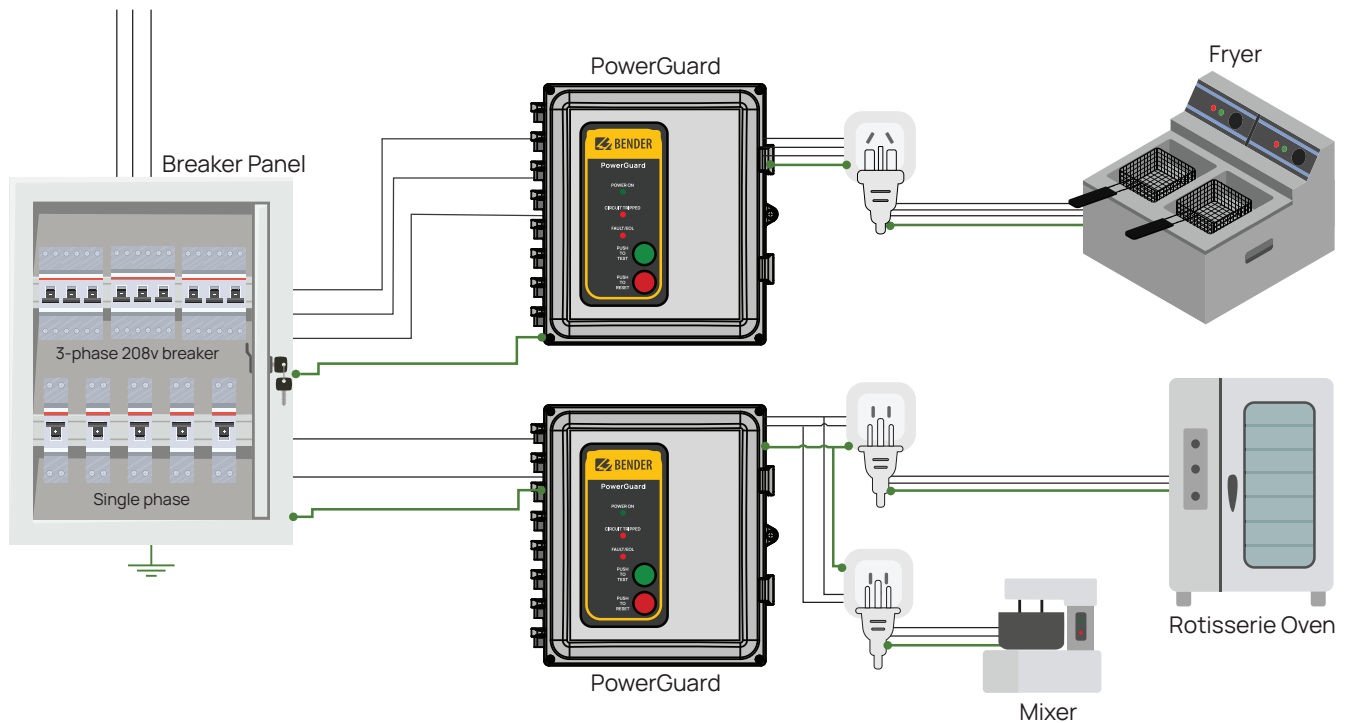


# PowerGuard in Commercial Kitchens



## PowerGuard Protection Panels

- Enable operation of critical loads to continue during a ground-fault and minimize system interruption
- Ensure system reliability by actively monitoring for short and open-grounding-resistor conditions



# Protection against shock and ground faults

## PowerGuard

### Product



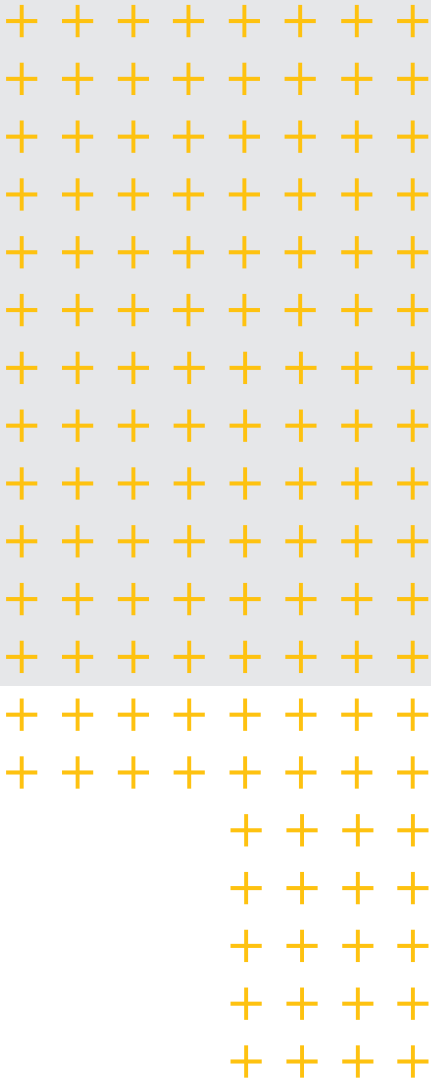
Base



Premium

Trip Curve	6mA, Fixed (UL943 Inverse Time Curve)	6mA, Fixed (UL943 Inverse Time Curve)
1 $\phi$ , 2-wire, (L1, N)		✓
3 $\phi$ , 4-wire, (L1, L2, L3, N)		✓
3 $\phi$ , 3-wire, (L1, L2, L3)	✓	✓
Split $\phi$ , 3-wire, (L1, L2, N)		✓
Ground-Neutral Detection		✓
Max Current Rating	80A	100A
Max Input Voltage	208V (+10%)	600V (+10%)
UL Rating	UL 943 Class A	UL 943 Class A
Enclosure Material	Polycarbonate	Polycarbonate
NEMA Rating / UL Type Rating	4X	4X
Height, Width, Depth	12" x 10" x 7"	16" x 12" x 7"
Mounting	Wall mount	Wall mount
Display		Optional
Interface	Test, Reset	Test, Reset

\*Final product and specifications are subject to change



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