

Irrigation pump panels

Three-phase control



Quick-ship inventory for irrigation applications

Whether operating a center pivot, drip irrigation or water-flooding system, Eaton has solutions for your three-phase irrigation control needs.

Eaton's pump panels, soft starters and drives are all available in NEMA® 3R enclosures for weathertight protection, allowing panel installation outdoors near irrigation equipment without additional shelter. These products are designed for ease of installation and rated for service entrance.

Eaton is proud to offer local inventory of these solutions in our W87 Fontana, CA Distribution Center, allowing for quick-ship availability and a complete product offering for your irrigation pumping applications.

Standards and certifications

- UL® Listed
- cUL® Listed



ECP irrigation pump panels
10–100 hp



ECN industrial pump panels
10–200 hp



Enclosed S611 soft starters
100–250 hp



Enclosed DG1 drives
25–200 hp

EATON

Powering Business Worldwide

ECP starter features

- 480 V three-phase input
- NEMA 3R weathertight enclosure for outdoor environments
- Circuit breaker included
- C440 electronic overload relay protection ❶
- START pushbutton
- Overload reset button
- HOA selector switch
- Rotary style disconnect
- Control power transformer—240 V/480 V primary, 120 V secondary

ECN starter features

- 480 V three-phase input
- NEMA 3R weathertight enclosure for outdoor environments
- Circuit breaker included
- C440 electronic overload relay protection ❶
- START pushbutton
- Overload reset button
- HOA selector switch
- Flange style disconnect
- Control power transformer—240 V/480 V primary, 120 V secondary
- Additional space for customer wiring

Enclosed soft starter features

- 480 V three-phase input
- NEMA 3R weathertight enclosure for outdoor environments
- Circuit breaker included
- START/STOP pushbuttons
- HOA selector switch
- Door-mounted keypad
- Service entrance label
- Control power transformer
- Internal run bypass
- Pump control option

Enclosed variable frequency drive features

- 480 V three-phase input
- Painted white NEMA 3R enclosure
- Lockable door-mounted power disconnect handle
- Transient voltage surge protection
- START/STOP pushbuttons
- Speed control potentiometer
- HOA selector switch
- Power ON, run and fault lights
- 22-inch floor stands on AX-CX enclosures (25–150 hp)
- Service entrance label
- Door-mounted keypad
- Cellular gateway for data transmission and analytics via Eaton's IoT solution services
- Control power transformer
- Padlockable pilot device cover

❶ Features: Self powered, phase loss protection, current adjustment knob, ±1% repeat accuracy, 1NO and 1NC isolated contacts, predictive indication, enhanced protection and monitoring and communication capabilities.

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ECP irrigation pump panels

NEMA size	Max. hp	Breaker rating	Trip range	Catalog number
1	10	30	4–20	ECP5512CAE-C1R63/C
2	25	60	9–45	ECP5522CAF-C1R63/D
3	50	100	20–100	ECP5532CAG-C1R63/E
4	100	150	28–140	ECP5542CAH-C1R63/F

ECN industrial pump panels

NEMA size	Max. hp	Breaker rating	Trip range	Catalog number
1	10	30	4–20	ECN5512CAE-C1R63/C
2	25	50	9–45	ECN5522CAF-C1R63/D
3	50	100	20–100	ECN5532CAG-C1R63/E
4	100	150	28–140	ECN5542CAH-C1R63/F
5	200	400	60–300	ECN5552CAK-C1R63/G

Enclosed S611 soft starters

hp	Breaker rating	Catalog number
100	150	ECS98W2CAH-C1P7S3E8
125	250	ECS98X2CAJ-C1P7S3E8
150	250	ECS98Y2CAJ-C1P7S3E8
200	400	ECS98Z2CAK-C1P7S3E8
250	400	ECS9813CAK-C1P7S3E8 ❶

❶ Type 4 watertight (painted steel).

PowerXL EGS pump panels

Variable torque hp standard	Constant torque hp heavy-duty	Enclosure size	Catalog number
25	20	AX	EGS0344B380-PUMP01
30	25	AX	EGS0404B380-PUMP01
40	30	AX	EGS0524B380-PUMP01
50	40	BX	EGS0654A380-PUMP01
60	50	BX	EGS0774A380-PUMP01
75	60	BX	EGS0964A380-PUMP01
100	75	CX	EGS1244A380-PUMP01
125	100	CX	EGS1564A380-PUMP01
150	125	CX	EGS1804A380-PUMP01
200	150	DX	EGS2404A380-PUMP01

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