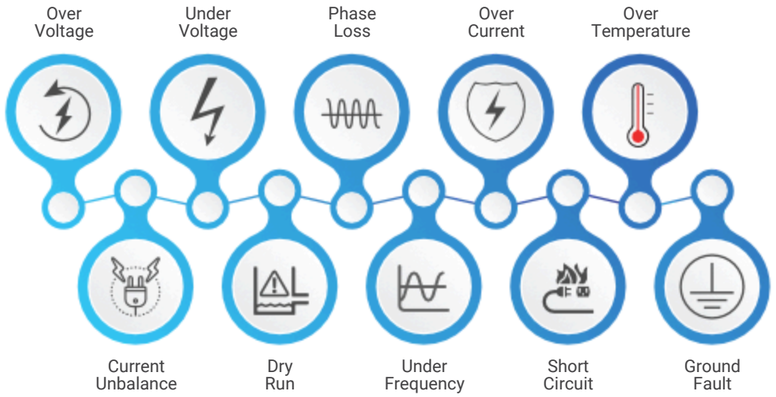
Get protection from

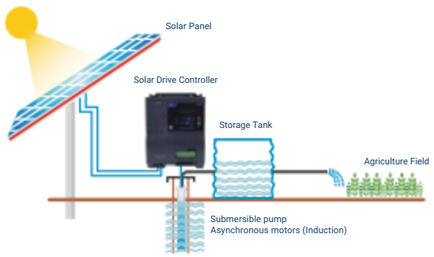


An in-built protection system helps the application and pump be protected all the time, which ensures safety, reliability, and minimum maintenance time.

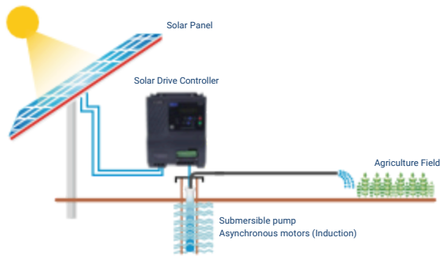
All protections can be enabled or disabled

Solar Drive Controller compatible with PV and Grid Input

PV Application

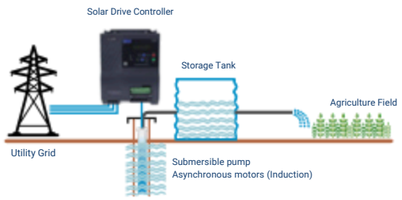


(A)

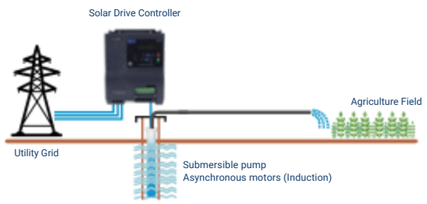


(B)

Grid Application



(A)



(B)

Electrical Standard Products
Lauritz Knudsen Electrical & Automation
A/600, Shil-Mahape Road, TTC Industrial Area,
MIDC Thane, Mumbai, 400 710, Maharashtra

Customer Interaction Center (CIC)
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Lauritz Knudsen
Electrical & Automation



Px 3000 Solar Drive CONTROLLER

Solar Powered Efficient Irrigation

Plug & Play Drive

More water for a longer time

A BRAND, TRUSTED BY GENERATIONS

•Under license from Larsen & Toubro Limited. | #Trademark of Schneider Electric Denmark A/S.

Product Description

Maximizing water delivery by utilizing solar energy

Since 1960, we have been catering to the agriculture sector with a wide range of electrical products for agricultural pump applications that help farmers with reliable and efficient irrigation.

The use of renewable energy for a sustainable life is the need of the hour. Solar energy is something that nature provides for free, and it is the ideal solution for powering water pumps and farmlands. Also, where grid connectivity is either absent or irregular, solar energy is a perfect alternative.

The Px3000 Solar Drive Controller from Lauritz Knudsen is a made-in-India solar drive controller and an innovative solution that uses solar energy for irrigation applications.

The Px3000 Solar Drive Controller effectively uses solar energy to operate the pump/motor. It also gives complete protection to the pump/motor. Px3000 Solar Drive Controller is a true power-based MPPT solar drive controller suitable for 415V, 3Ø submersible, and surface pumps/motors with power ratings of 5HP, 7.5HP, and 10HP. True MPPT technology ensures the maximum utilization of solar energy, hence maximum water output at various solar energy levels during a day. The Px3000 ensures uninterrupted water supply to the farm, which makes farming more efficient.

Features

- › True MPPT
- › Auto & Adaptable MPPT
- › Plug & Play Drive
- › Robust design to handle high input DC voltage up to 850V
- › Rugged design, best-in-class performance even at 50 degree ambient
- › Wide operating range
  Vmpp Range: 250V~750Vdc
  Voc Range: 300V~ 850Vdc
- › Grid Compatible
- › Automatic Start & Stop
- › Built-in RS485

With Maximum Power Point Tracking (MPPT) Technology, Solar Drive Controller delivers maximum water at various solar energy levels for maximum duration in a

Solar Drive Controller

TECHNICAL SPECIFICATIONS

PARAMETER		SALIENT FEATURES
Supply Voltage	Grid	380 – 480V, 3-phase, 50/60Hz
	Solar	300 – 850V DC (Voc)
MPPT range		250 – 750V DC
HP rating		5HP/7.5HP/10HP
Rated Current (HD @50°C, ND @40°C)	5 HP	9.5A (HD) / 11A (ND)
	7.5 HP	14A (HD)/17A (ND)
	10 HP	18A (HD) / 23A (ND)
Number of Inputs/Outputs	Digital inputs	5
	Analog input	1
		4 - 20mA, 0 – 10V
	Digital outputs	2
24V auxiliary supply rating		150mA
Display		16x2 LCD display
Motor Type		400V class Three Phase Induction motor
Ambient Temperature		-10° C to + 50° C
Ambient Humidity		95% non-condensing
Storage Temperature		-20° C to + 60° C

RECOMMENDED MCB SPECIFICATIONS

Sr.No	Pump Rating	Solar MCB	Grid MCB
	HP	4 pole B curve (A)	3 pole C curve (A)
1	5	16	20
2	7.5	20	25
3	10	25	32

RECOMMENDED DIODE RATING

50A, 1600V

PRODUCT DIMENSIONS

Px3000 Solar Drive Controller	Cat. No.	Overall Dimensions			Mounting Dimensions		Weight (kg)
		W (mm)	H (mm)	D (mm)	H (mm)	D (mm)	
5 HP	EAVF-P4009P5BAA	166	239	168.5	230	148	3.8
7.5 HP	EAVF-P4014P0BAA	166	239	168.5	230	148	3.8
10 HP	EAVF-P4018P0BAA	166	239	168.5	230	148	3.8

Lauritz Knudsen
Electrical & Automation

Px 3000 SOLAR DRIVE CONTROLLER

Solar Powered Efficient Irrigation

More water for a longer time | Complete Protection for Pump & Motor | Plug & Play Drive



PRICE LIST

MAKE IN INDIA

INVITING CHANNEL PARTNERS FOR DEALERSHIP

Item Description	QTY	MRP (with GST)	Discount	Net Price (with GST)
5.0 HP New (CS927050000)	1	₹ 32,000	55%	₹ 14,400
5.0 HP New With Grid (CS927070000)	1	₹ 36,000	55%	₹ 16,200
7.50 HP Old (CS927120000)	1	₹ 57,000	55%	₹ 25,650

Built-in Protection for Pump & Motor | True MPPT Technology | Works with Solar and Grid | High Performance even at 50°C | Auto Start & Stop | Built-in RS485

PARTNER WITH US.
POWER A GREENER TOMORROW.

For Dealership Enquiries
9509338893

Email
Nationalenergycrp@yahoo.com