

# SOLAR PUMP DRIVE

A new generation Inverter



# Drive the Next

FRENIC SOLAR **Ace**



Drive a new era. Presenting FRENIC SOLAR-ACE - a new generation inverter

Standard-equipped with customizable logic functions - MPPT function

Users can customize the functionality of the inverter.

The industry's smallest class compact design (up to 0.75 kw)

Remote multi-function keypad (option)



68mm



|                           | 0.1kW | 0.2kW | 0.4kW | 0.75kW | 1.5kW | 2.2kW | 3.7kW | 5.5kW | 7.5kW | 11kW | 15kW | 18.5kW | 22kW | ----- | 220kW |
|---------------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|------|------|--------|------|-------|-------|
| Single-phase 200 V series | ●     | ●     | ●     | ●      | ●     | ●     |       |       |       |      |      |        |      |       |       |
| Three-phase 200 V series  | ●     | ●     | ●     | ●      | ●     | ●     | ●     | ●     | ●     | ●    | ●    | ●      | ●    |       |       |
| Three-phase 400 V series  |       |       | ●     | ●      | ●     | ●     | ●     | ●     | ●     | ●    | ●    | ●      | ●    | ●     | ●     |

In addition to the standard type, our lineup also includes models with built-in EMC filters for all capacities

Supports all capacities and multiple ratings and is applicable for light overload applications making use of a one-frame smaller inverter



## Features

- Improved ease of operation and maintenance  
Remote multi-function key pad with backlit LCD screen available (option)
- Functional safety compliance  
ISO13849-1 PL-e, Cat3 IEC1800-5-2 STO SIL3
- Global Standard Compliance
- Solar Panel voltage set point calculation at every start
- True Maximum Power Point Tracking (MPPT) function
- Detection of sudden changes of conditions
- Stop criteria selectable (frequency and/or power)
- Start criteria by solar panel voltage and time
- Dry pump detection function
- Water tank maximum level detection function
- Low power detection function
- Two sets of PID gains

Notes : Solar VFD panel is supplied through competency centre as per specification and requirement

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