

# SubDriveSolar

SOLAR PUMPING SYSTEM

Solar pumping system



**Franklin Electric**

# Solar pumping system

## Features

- High flow system for faster tank fill and significant water output
- Proven motor and pump technology and reliability
- Robust IP55, NEMA 3 drive enclosure minimises impact of wildlife, insects, dust and weather
- DC and AC power inputs with auto-switching to generator back-up
- Seven segment controller display shows real-time input watts and system status
- Remote telemetry capability through a RS-485 continuous data port
- MPPT – Max Power Point Tracking for maximising efficiency of input power
- Soft start feature prevents water hammer and increases system life
- Allows use of new solar array or retrofit to existing array (subject to size and performance check)
- Simple installation and no required maintenance
- Built-in diagnostics and protection
- C-tick and UL approved.

## Built-in Diagnostics and Protection

The SubDrive SolarPAK products include diagnostic features and built-in protection from potentially harmful conditions.

- Surge
- Under-load
- Under-voltage
- Locked pump
- Open circuit
- Short circuit
- Overheated controller
- Dry run
- Reverse polarity.

## Capacities

- Variety of flow rates available in: 18, 25, 30, 45, 70, 100, 150, and 270 lpm (5, 7, 10, 15, 25, 35, 45, and 90 USGPM)
- Motor and drive ratings available in: 1,1 and 2,2 kW (1,5 and 3,0 hp)

## Applications

- Livestock watering
- Tank/cistern filling
- Wildlife refuge & game farms
- Rural water supply for villages & homesteads

- Irrigation systems
- Fountains
- Vineyards
- Renewable energy projects.

## SubDrive SolarPAK Selector

Franklin Electric's user-friendly SubDrive SolarPAK Selector helps you determine the optimal system for your solar project. Simply input your location, duty requirements, and solar panel characteristics (if known) and the system will automatically recommend the SolarPAK model and array configuration best for your application.

The Franklin Electric SubDrive SolarPAK Selector and other information on our series of solar products can be found on Franklin Electric's solar website: [www.franklin-electric.com/solar](http://www.franklin-electric.com/solar).

## Model Number Description

**XXX SD SP - X.XkW**

Motor Rating: 1,1 or 2,2 kW (1,5 or 3,0 hp)

SolarPAK

SubDrive

Pump Flow: 18, 25, 30, 45, 70, 100, 150, and 270 lpm (5, 7, 10, 15, 25, 35, 45, and 90 USGPM)

SubDrive SolarPAK Model Numbers	
SolarPak Model	Part Number
18SDSP-1.1KW	90030520
25SDSP-2.2KW	90030730
30SDSP-1.1KW	90031020
30SDSP-2.2KW	90031030
45SDSP-1.1KW	90031520
45SDSP-2.2KW	90031530
70SDSP-1.1KW	90032520
70SDSP-2.2KW	90032530
100SDSP-1.1KW	90033520(a)
100SDSP-2.2KW	90033530(a)
150SDSP-1.1KW	90034520(a)
150SDSP-2.2KW	90034530(a)
270SDSP-1.1KW	90039020(a)
270SDSP-2.2KW	90039030(a)



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**Service and Support** - Franklin Electric is the leading manufacturer of world-class pumping system solutions providing the highest quality, availability, service, innovation and value in the industry. Backed by unsurpassed expertise throughout Africa, these leading brands are ideal for various pumping applications.