

SOLAR DRIVES PRODUCT COMPARISON



Manufactured specifically for water pumping applications by a pump manufacturer, Franklin Electric's more than 15 years of drive engineering expertise is incorporated into our product designs.

SPECIFICATIONS		LOW POWER APPLICATIONS						HIGH HORSEPOWER		
		Photon			SubDrive SolarPAK			Photon		
		1/2 HP	3/4 HP	1.5 HP	3/4 HP	1.5 HP	3 HP	5 HP	7.5 HP	10 HP
Features	MPP Tracking		✓			✓			✓	
	Electrical Filtering		✓			✓			✓	
	Max. VDC, Open Circuit	110	300	420	420	420	420	850	850	850
	Enclosure Rating	NEMA 4			NEMA 3			NEMA 4		
	Backup AC Option	-	AC/DC Converter*	AC/DC Converter*	Integrated			230V 3PH to Motor	-	-
	Automatic DC-AC Switch		-			✓			-	
	Size & Select	FE SELECT**			FE SELECT**			FE SELECT**		
Protection	Surge Protection		✓			✓			✓	
	Reverse Polarity (DC)		✓			✓			✓	
	Underload/Dry Run		✓			✓			✓	
	Under/Over Voltage		✓			✓			✓	
	Overload/Locked Pump		✓			✓			✓	
	Open Circuit		✓			✓			✓	
	Short Circuit		✓			✓			✓	
	Overheated Controller		✓			✓			✓	
Input/Output Control	Primary Run Control		✓			✓			✓	
	Secondary Run Control		✓			✓			✓	
	Flow Switch Input		✓			✓			✓	
	Communications	Wi-Fi Module for FE Connect*			RS-485 Port			Wi-Fi Module for FE Connect*		
	Surface Pump Option		✓	✓						
Submersible Motors	1/2 HP, 48V	✓								
	3/4 HP, 100V		✓		✓					
	1.5 HP, 200V			✓		✓				
	3.0 HP, 200V						✓			
	5.0 HP, 230V							✓		
	7.5 HP, 380V								✓	
	10 HP, 380V									✓

*Sold separately | **FE SELECT (franklin.config.intelliquip.com) sizing tool is unique to the Franklin Experience

PHOTON

MAKE THE

BRIGHT CHOICE

Complete Solar Pumping Systems

Franklin Electric's solar product line ranges from cost-effective systems operating on only two solar panels through large-scale watering systems using thousands of gallons per day. These various options provide you with everything you need – panels, pump, motor, and drive from the people who know groundwater best. And, we back it up with Field Service Engineers willing to help you every step of the way.

Franklin Electric's solar pumping systems support the following submersible pumping applications:

- Livestock watering
- Tank/Cistern filling
- Wildlife refuge
- Rural water supply for homesteads
- Irrigation systems
- Fountains
- Vineyards
- Rain harvesting



Franklin Electric

franklinwater.com/solar