

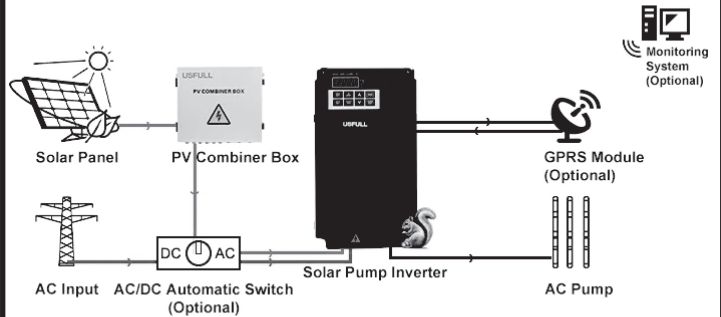
# TAFLO

## USFULL

## DC-AC HYBRID PUMP INVERTERS



### SOLAR PUMPING SYSTEM



#### APPLICATION

TAW USFULL are high quality DC-AC hybrid solar pump inverters which make full use of energy to drive water pumps. They are designed to operate both submersible and surface pumps and incorporate advanced MPPT technology to enhance efficiency and reliability. They have inputs for both DC and AC and are designed to prioritize on DC power. AC power will only be used to supplement any shortfall from the DC supply

#### CONSTRUCTION FEATURES

- Max working efficiency 99.5%.
- Automatic MPPT algorithm.
- Newly designed air channels ensure stable efficiency.
- Support frequency up to 400Hz.
- Support 220V±15% AC power input
- Max DC input voltage 400VDC
- Recommend VMP 330VDC
- Full automatic, no need for extra setup before power on.
- The connection to float switch, dc breaker, power input, and ac pump are clear and convenient.
- Low voltage/ over-voltage protection
- Over-current protection
- Weak sunlight protection
- Full water/ water shortage protection
- Protection class: IP68 upto 7.5kw IP22 for the rest of the models

#### TECHNICAL DATA

Models	Rated Output Power (kW)	Rated Output Current (A)	Phase	Output Voltage	Max. DC Input Voltage (Vdc)	Reccmd DC input Voltage range (Vdc)	Reccmd MPPT Voltage (Vdc)	Start up voltage (vdc)	Lowest Working Voltage (vdc)	Output Frequency (Hz)
FU9000SI-004G-SS2	4	25	1	240	400	200-400	330	200	150	0-400
FU9000SI-1R5G-4	1.5	4.2	3	380	800	300-750	550	300	250	
FU9000SI-2R2G-4	2.2	5.5								
FU9000SI-004G-4	4	9.5								
FU9000SI-5R5G-4	5.5	14								
FU9000SI-7R5G-4	7.5	18.5								
FU9000SI-011G-4	11	25								
FU9000SI-015G-4	15	32								
FU9000SI-018G-4	18.5	38								
FU9000SI-022G-4	22	45								
FU9000SI-030G-4	30	60								
FU9000SI-037G-4	37	75								
FU9000SI-045G-4	45	92								