

THYRA SOLAR PUMPING DRIVE





ABOUT US

THYRA DRIVES & CONTROL SYSTEM, mainly focusing on the industrial servo kit, control system, motion controller and solar industry, is a high-tech company, the product ranges from AC drive, servo system, new clean energy drive, Solar energy drive system THYRA DRIVES & CONTROL SYSTEM shall be always concentrating on the innovation, of technology and keep updating the R&D, for the best and the most competitive industrial solution for customer. Satisfaction of the customer is the pursuit of the company, innovation of the technology and the persistence of the updates are the principal. The drive division are technically originated from Emerson, with the best control and the high-end algorithm of software, the AC drive has been in great demand since it was born. The main product in VFD(AC Drive) of THYRA DRIVES & CONTROL SYSTEM ranges from 0.75kw to 1250kw, multiple of choices of products are available, can be fully satisfying with customer demand.

THYRA SOLAR PUMPING DRIVE, as the solar division in THYRA DRIVES & CONTROL SYSTEM, has been working in solar field for many years, mainly focusing on the R&D and innovation of solar industry, the THYRA MS10 series is using the best algorithm of MPPT to guarantee the water flow and the pump control, fully covering the range from 60V, the best stability of the hardware design and the flexibility of the pump choices are widely welcome by most of the pump manufacturers.





MS10 SERIES



SOLAR PUMPING DRIVE

MS10



PRODUCT FEATURE

- **BEST MPPT ALGORITHM**
EFFICIENCY IS MORE THAN 99.5%
- **FULL APPLICATION**
SUPPORT AM/PMSP/BLDC MOTORS
- **AUTO SLEEPING & AWAKING**
AUTO SLEEPING OF THE PUMP WHEN THE SUNSHINE IS WEAK
AUTO AWAKING OF THE PUMP WHEN THE SUNSHINE RESUME
NO NEED MANUAL OPERATION

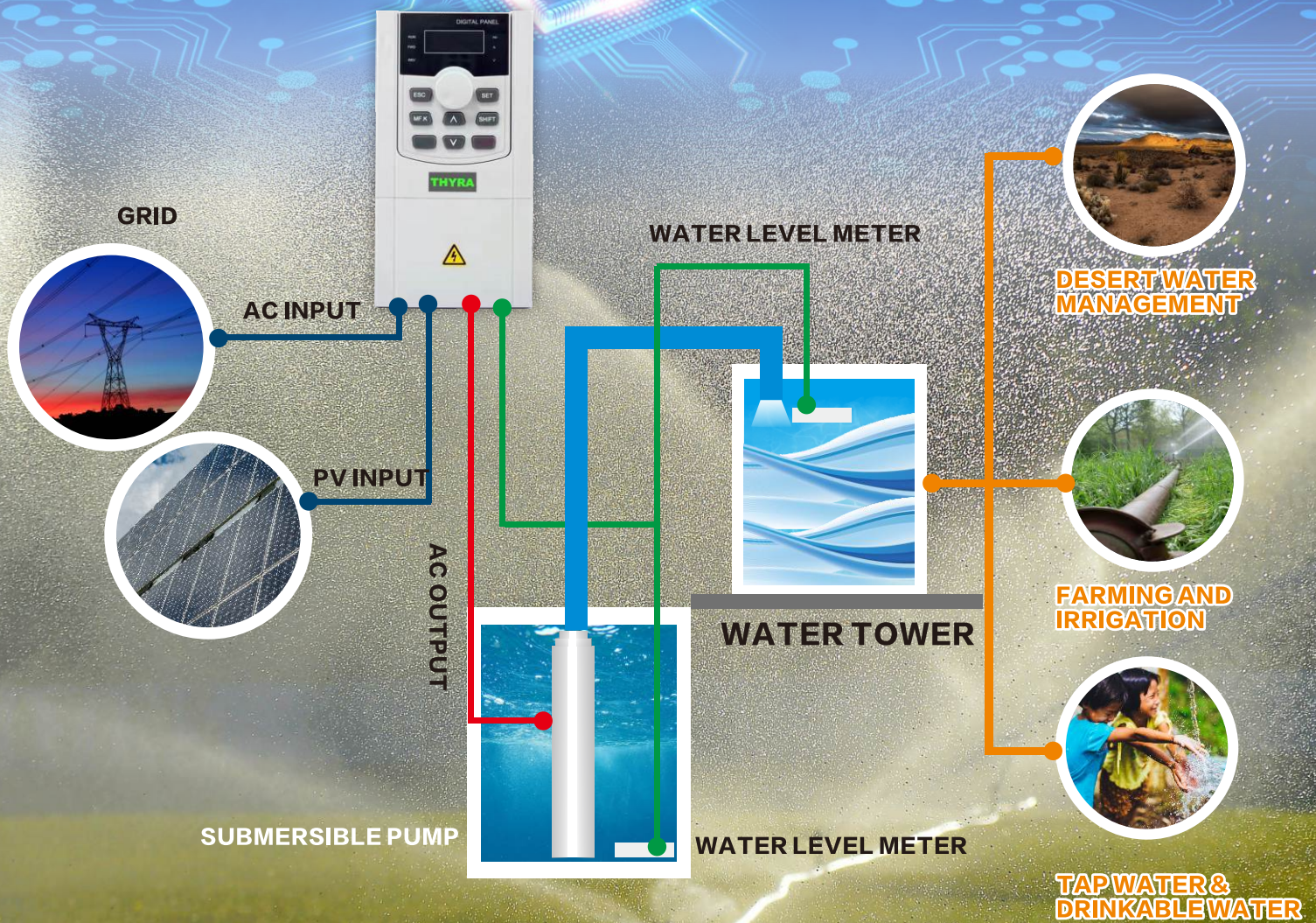


- **VARIED LIQUID LEVEL CONTROL**
DRY RUN PROTECTION
WATER FULL ALARM
- **MUTIPLE PROTECTION**
OVER CURRENT PROTECTION
OVER VOLTAGE PROTECTION
LACK PHASE PROTECTION
LESS VOLTAGE PROTECTION
SHORTCIRCUIT PROTECTION
OVERHEAT PROTECTION
- **BEST WATER FLOW**
LARGEST WATER FLOW IN SAME CONDITION



- **ENVORONMENTAL FRIENDLY**
NO CELL OR BATTERY NEEDED
- **SUFFICIENT DADA RECORD**
AUTO RECORDING THE TOTAL GRID POWER,
WATER FOLW AND RUNNING TIME
- **LOWEST POWER NEEDED**
CAN RUN AT THE VOLTAGE OF 60V

WORKING PRINCIPLE





TECHNICAL SPECIFICATION

PRODUCTS	CURRENT (A)	DV VOLTAGE (V)	PANEL POWER (KW)	PANEL VOC.	PUMP POWER (KW)
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2T: INPUT 60-450VDC 220VAC

MS10-2S-0.75	4.8	60-450	1.5	360-420	0.75
MS10-2S-1.5	8.0	60-450	1.9	360-420	1.5
MS10-2S-2.2	10.0	60-450	2.8	360-420	2.2

4T: INPUT 230-800VDC 380VAC

MS10-4T-0.75	2.5	230-800	1	600-750	0.75
MS10-4T-1.5	4.2	230-800	1.9	600-750	1.5
MS10-4T-2.2	5.6	230-800	2.8	600-750	2.2
MS10-4T-4	9.4	230-800	5.1	600-750	4
MS10-4T-5.5	13	230-800	7.2	600-750	5.5
MS10-4T-7.5	17	230-800	9.7	600-750	7.5
MS10-4T-11	25	230-800	14	600-750	11
MS10-4T-15	32	230-800	18.6	600-750	15
MS10-4T-18.5	37	230-800	23.5	600-750	18.5
MS10-4T-22	45	230-800	27.5	600-750	22
MS10-4T-30	60	230-800	37.5	600-750	30



Bencera Resources LLP.

**Add:710,Iscon Elegance ,
opp Karnavati Club,Next to Shapath -V,
S.G ROAD , Ahmedabad - 380015.**

Tel: +91 95120 09895/+91 97226 09663

Email:- sales.thyra@gmail.com