



**Smarrtrak
Solar Water Pump
Brochure**





Features:

Solar Water Pump Controller:

- MPPT integrated controller for maximum water output and power optimisation.
- Smart controller can drive VFD ranging from 1hp - 25 hp.
- Plug and play installation with all-day Run-Stop-Restart mode management.
- Configurable controller with daily, monthly, yearly diagnostics, energy management and self-protection features.
- Zero maintenance and remote monitoring.

Solar Water Pump System:

- 79% increase in water flow.
- VFDs with inbuilt MPPT integrated controller for maximum water output.
- Continuous water supply from sunrise to sunset - farmers can grow 3 crops a year instead of 2.
- Automatic change over switch to use the conventional power at night.
- Safety disconnects.
- Zero maintenance and remote monitoring.

Solar Water Pump					
Maximum No. of Input Strings	3 HP	5 HP	6 HP	7.5 HP	10 HP
Maximum Input DC Voltage	3	3	3	3	3
DC Current of each String	AC Induction Motor				
Maximum Output Current	3000	4800	5400	7200	9000
Control Supply	200	250/300	250/300	240	250
Fuse Rating	15	20/16	24/18	32	36
Output Switch Rating	15	20/16	24/18	16	18
Maximum Short Circuit Current	1	1	1	2	2
SPD	500-700	500-700	500-700	500-700	500-700
Current Sensors	4 HP	6 HP	7.5 HP	10 HP	12.5 HP
Enclosure Type	Hot dip galvanized with single axis / dual axis tracker				
Protection	30 Sq. m	36 Sq. m	40 Sq. m	60 Sq. m	70 Sq. m

Corporate Office:

Smarttrak Solar Systems Pvt. Ltd.,
#8c, Plot No. 6, Melange Towers,
H. No: I-98/96, Patrika Nagar, Madhapur,
Hyderabad - 500081, Telangana

Manufacturing Unit:

22/C, Survery No. I/I, Kancha Imarat,
Raviryal (V), Maheshwaram (M),
Hardware Technology Park,
Rangareddy dt - 501359