



GO GREEN, GO SOLAR UNIVERSAL SOLAR PUMP CONTROLLER

CERTIFIED BY

















ABOUT US

OUR DREAM IS TO UNLOCK THE POTENTIAL OF SOLAR ENERGY

BY USING OUR TECHNOLOGY, EXPERIENCE, SYNERGY & TO DESIGN TO DELIVER PRODUCTS IN SOLAR CONTROLLERS THAT MAKE POSITIVE LIVELIHOOD CHANGES EVERYWHERE, WHERE SUN GOES.

WHO WE ARE

Nimesh Sheth and Approva Bhatt founded Kisan Solar and developed 3rd Generation Solar Power Controller unit called SPCM(Sinusoidal Pump Controller with MPPT) for Solar Water Pumping. Since then this "Smart Controller" has already been recognized and awarded certificates of excellence by various agencies. Then they invented a Life changing Product called U&SPC (Universal & Single Phase Controller) for Irrigation as well as Domestic use & U&SPC is the only controller of its kind in the World which is Patented and Certified by MNRE accredited Labs.

TAG Solar System LLP (Global Distributor) is the Marketing & Distribution arm of Kisan Solar and working closely with many Big Names of the Industry and State Governments.

Coming from diverse backgrounds; our team members offer their unique experiences to collaborate in offering products and services using New Generation Technologies.

WHAT WE DO

TAG Solar System LLP specializes in offering Solar Controllers using advanced technology that not only offers more Power to the Customers, with far lesser maintenance but also increase in Productivity & Income; Customers can manage and operate their systems independently and there is No need of dependency on Grid or Battery Bank. We do this by offering solutions based on their needs through components that offer best performance with least maintenance requirements.

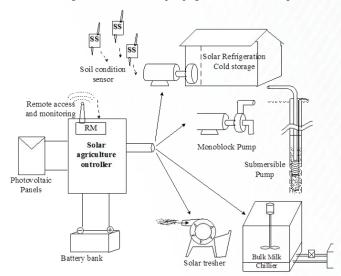
OUR VISION

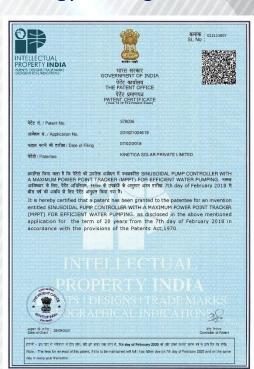
Our vision "TO CHANGE LIVES FOR THE BETTER, FOREVER" arises from the belief that no one is fully empowered unless they have the ability to be independent. By providing energy solutions that are generated and consumed at the point. Which offers more Power and cleaner Energy. We see the Cleaner Energy as segment that needs to be

developed for the sustainable growth of a nation.

We can generate power whenever there is Sun.

The block diagram of Universal solar pump/agriculture controller: Fig. 1.







WHY USPC...?



- 1. USPC technology converts off grid solar installation into 3 phase "local grid".
- 2. USPC can power any heavy 3 phase machine using solar irradiance, to process all agricultural crops and cold storages. Installing USPC is synonymous to providing a 3 phase grid.
- 3. USPC uses solar energy as fuel compared to coal, oil or gas. Solar energy is totally free compared to fossil fuels like coal, gas or oil. Unlike fossil fuels no transportation cost for solar irradiance.
- 4. USPC can power any machine that could be run with electric power. 5. USPC can facilitate in double the income / profit of farmers as the same energy can be used to do many other jobs apart from only irrigation.





TAG UNIVERSAL CONTROLLER



EXCLUSIVE ADVANTAGE FOR BENIFICIARIES

- DESIGNED TO INCREASE LAND AND RURAL LABOUR PRODUCTIVITY, DECREASE INPUT COST OF FERTILIZER & ENERGIES IN AGRICULTURE & PROPEL SUSTAINABLE ORGANIC FARMING.
- DESIGNED TO TRANSFORM FARMERS FROM PRIMARY PRODUCERS TO FINISHED PRODUCTS & ADD VALUE TO THE CROP AND INCREASE THEIR INCOME.
- DESIGNED TO PROVIDE FREE ENERGY (NO FOSSIL FUEL)TO POST HARVEST OPERATIONS LIKE THRESHING, WINNOWING, CHAFFING ETC.
- PROTECTION AGAINST REVERSE INPUT: TAG SOLAR CONTROLLER IS DESIGNED TO PROTECT AGAINST REVERSE POLARITY.
- AUTO-CUT FOR DRY RUNNING: THE CONTROLLER
 AUTOMATICALLY CUTS OFF POWER IF THE MOTOR
 PUMP IS RUNNING IN A DRY CONDITION, PREVENTING
 DAMAGE TO THE PUMP.
- REMOTE MONITORING: TAG SOLAR CONTROLLER ALLOWS FOR REMOTE MONITORING, ENABLING CONTROL AND MONITORING OF THE.



INDUSTRIES

- DAIRY INDUSTRIES
- FISHERY
- MEAT INDUSTRIES
- COFFE/TEA PLANTATION
- EDIBLE OIL EXTRACTION
- POWDERING OF SPICES & OTHER CROPS
- EXTRACTION OF PULP &JUICES FROM HORTICULTURAL CROPS
- IRRIGATION
- BRICK KILN
- COLD STORAGE/BULK MILK CHILLER
- RICE MILL, FLOUR MILL ETC.

UNIQUENESS

- BATTERY LESS OPERATION
- 3 PHASE & 1 PHASE COMBINED IN UNIT
- POWER DOMESTIC LOAD LIKE BULB, FAN, 1 TON INVERTER A.C ,MOBILE CHARGER, COOLER, COMPUTER, LAPTOP, REFRIGERATOR, T.V, INDUCTION PLAT ETC.

TAG UNIVERSAL CONTROLLER DATASHEET



GO GREEN, GO SOLAR USPC Technology by HISa∩ S¢La∩



World's ONLY Technology, Made in India

		U&SP	C Contr	oller Tech	nical Da	tasheet			1.7
7		3HP U&SPC		5HP U&SPC		7.5HP U&SPC		10HP U&SPC	
		3HP USPC	1.6kVA 1 Phase	5HP USPC	2.6kVA 1 Phase	7.5HP USPC	3.3kVA 1 Phase	10HP USPC	5kVA 1 Phase
PV Input						1871		- 1 22	
Min. Input Voltage	[Voc]	200		200		420		550	
Max. Input Voltage	[Voc]	350		450		650		850	
Max. Input Current	[A]	14		14		16		16	
No of Input channels		1		1		1		1	
Output	1 2			20		77%		203	
Phase		3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase
Voltage	[AC]	160-400V	230V	220-400V	230V	230-400V	230V	290-415V	230V
Frequency	[Hz]	50-165Hz (50Hz for Single Phase)							
Maximum Current	[A]	12	12	14	14	15	15	18	19
Protection		Short Circuit, Open Circuit, Dry Run, Low Power, Over Load							
Display & Communication			20003		50-1 FIE ENIED- 13.				
Display Type	18 3	16 x 2 LCD							
Status Indicator	18 9	ON, OFF, Fault with appropriate Massage							
Remote Monitoring		IN BUILT GSM/GPRS							
Other Info									
IP Degree of protection	18 3	Electronics IP65							
Weight	[kg]	22 24			4				
Size (H)	mm	400							
Size (W)	mm	360							
Size (D)	mm				2	30			



GO GREEN, GO SOLAR USPC Technology by HISAN SOLAC



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USPC Installation Requirements						
	3 HP U&SPC with 1.6kVA Single Phase	5 HP U&SPC with 2.6kVA Single Phase	7.5 HP U&SPC with 3.5kVA Single Phase	10 HP U&SPC with 5kVA Single Phase		
Panels Needed	500W x 6(3000W)	500Wx10(5000W)	540Wx13(6700W)	540W x 17(9000W)		
Structure for Panels	Passive Structure	Passive Structure	Passive Structure	Passive Structure		
Motor-Pump	3 HP- 100 Mtr. Head	5 HP- 160 Mtr. Head	7.5 HP- 180 Mtr. Head	10 HP- 220 Mtr. Head		
DC Wire	As per Requirement	As per Requirement	As per Requirement	As per Requirement		
AC Wire	As per Motor- Pump Head	As per Motor-Pump Head	As per Motor-Pump Head	As per Motor-Pump Head		
HDPE Pipe	As per Motor- Pump Head	As per Motor-Pump Head	As per Motor-Pump Head	As per Motor-Pump Head		
MC4 Connectors	As per Requirement	As per Requirement	As per Requirement	As per Requirement		
Earthing Kit	As per Requirement	As per Requirement	As per Requirement	As per Requirement		
Other Accessories	As per Requirement	As per Requirement	As per Requirement	As per Requirement		

Note:-

^{*} Motor-Pump Head can be Less or More as per the Ground Water Level

^{*} Size of AC Wire & HDPE Pipe will vary according to the Motor-Pump Head



3 HP USPC



KEY FEATURES

- Beneficiary can run all 3 Phase Applications of farm upto 3 HP.
- 1.5 KW Single Phase output available for Domestic use.
- Get real time electricity without any Battery/Inverter.
- All Protection measures taken for Customer's Safety.
- Switch On/Off facility is available through mobile.

THE RESERVE OF THE PROPERTY OF	
TOTAL UNITS	
15	
15X30=450	
450X12=5400	
5400X25=135000	



5 HP USPC



KEY FEATURES

- Beneficiary can run 3 Phase Applications
 Such as Water Pumping System, Aata
 Chakki, Chaff Cutter, etc.
- 2.6 KW Single Phase output available for Domestic use.
- 40% more water than any other solar controller.
- All Protection measures taken for 3
 Phase & Single Phase output.
- Switch On/Off facility is available through mobile.

5 HP USPC				
TOTAL UNITS				
22.5				
22.5X30=675				
675X12=8100				
8100X25=2,02,500				



7.5 HP USPC



KEY FEATURES

- Beneficiary can run 3 Phase Applications Such as Water Pumping System, Bulk Milk Chiller, etc.
- 3.5 KW Single Phase output available for Domestic use.
- Get real time electricity without any Battery/Inverter.
- Early in the morning till Late in the evening-Make your own Electricity.
- Switch On/Off facility is available through mobile.

7.5 HP USPC				
UNITS GENERATION	TOTAL UNITS			
PER DAY	37.5			
PER MONTH	37.5X30=1125			
PER YEAR	1125X12=13,500			
FOR 25 YEARS	13,500X25=3,37,500			



10 HP USPC



KEY FEATURES

- Beneficiary can run 3 Phase
 Applications Such as Water Pumping
 System, Brick Kiln, Thresher, Oil Press
 Machinery, etc.
- 5 KW Single Phase output available for Domestic use.
- Beneficiary can run Industrial Machinery such as Rice Mill, Flour Mill, etc. upto 10 HP.
- All Protection measures taken for 3
 Phase & Single Phase output.
- Switch On/Off facility is available through mobile.

10 HP USPC				
UNITS GENERATION	TOTAL UNITS			
PER DAY	50			
PER MONTH	50X30=1500			
PER YEAR	1500X12=18000			
FOR 25 YEARS	18,000X25=4,50,000			







НР	Chaff Cutter	Aata Chakki	Cold Storage	Thresher	Water Discharge
3	8-9 Qnt/hr.	40-50 Kg/hr.	30-40 Ltr./0-4 degree	200 Kg/hr.	86,000 Ltr./day
5	10-12 Qnt/hr.	60-70 Kg/hr.	50-100 Ltr./0-4 degree	300 Kg/hr.	1,09,200 Ltr./day
7.5	15-18 Qnt/hr.	90-100 Kg/hr.	200-300 Ltr./0-4 degree	450-550 Kg/hr.	1,35,000 Ltr./day
7.5	15 16 (11) 111	30 100 Ng/III.	200 300 20,70 7 405100	135 336 (8) 111.	2,00,000 Ett., 000
10	18-22 Qnt/hr.	110-120 Kg/hr.	500 Ltr./0-4 degree	550-650 Kg/hr.	1,80,000 Ltr./day



THANK YOU

