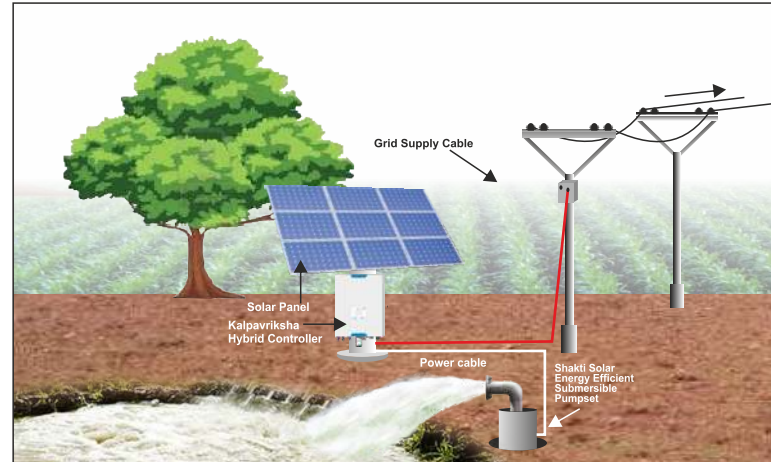




## SHAKTI KALPAVRIKSHA HYBRID CONTROLLER

### ABOUT THE PRODUCT

The Kalpavriksha Hybrid Controller is a hybrid pumping solution designed for maximum utilization of solar power available at the site. The product is a unique combination of a solar-powered VFD and a grid-tied inverter in a single product. This product comes with two operating modes i.e. Standalone and Hybrid mode. Standalone mode ensures only one operation at a time i.e. either VFD or grid-tied operation. In hybrid mode, the additional power available is fed back to the grid while VFD is operational. The product is designed and developed in India and comes with an IP 65 ingress protection. The product can also be configured as a pure grid-tie inverter whenever/wherever required. The plug and play installation and electrically safe user handling are the additional attractions of this product.



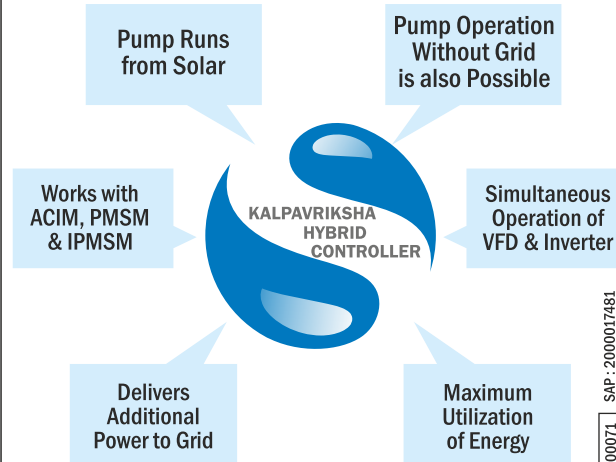
### TECHNICAL SPECIFICATION

Specifications	Model 1 - 9600000069	Model 2- 9600000070
	VFD	
VFD Output Power	3/5 kW	7.5/10 kW
Motor Type	IPMSM, PMSM, BLDC, ACIM	
VFD Output Voltage	180- 350 V	
VFD Frequency	0 – 200 Hz	
VFD Efficiency	> 97%	
VFD MPPT Efficiency	> 99%	
VFD Output Current	12 A	20 A
Protection	Short circuit, Dry run, Over temperature, Overload, etc	
	Grid -Tie Inverter	
Rated Power	3/5 kW	7.5/10 kW
Grid-tie Voltage Range	300– 460 V (3 phase)	300– 460 V (3 phase)
Protection	Anti islanding, grid monitoring, Short circuit, Over voltage, Over temperature, Overload, etc	
	PV Input	
PV Voltage Range	200– 750 V	
MPPT Voltage Range	250– 650 V	
Max MPPT Current	10 A	20 A
Applicable Standards	IEC62109-1, IEC62109-2, IEC61683, IEC60068-2-1, 2, 14, 30, IEC 60529, IEC62116, IEC61727, IEC61000-6-2, IEC61000-6-3	

### APPLICATION

- Runs pump for agriculture
- Feeds extra power to the grid
- Can draw power from grid to run pump at rated power if required

### FEATURES



### WHY TO CHOOSE KALPAVRIKSHA HYBRID CONTROLLER

GENERAL HYBRID CONTROLLER	KALPAVRIKSHA HYBRID CONTROLLER
Relatively difficult installation & operation	Simple installation & operation with graphical LCD
Confusing connections with possibility of shock	Plug and play shock - proof connectors with unique connection and easy to understand labels.
Typically, IP 54 rated hybrid inverters available	IP 65 (Protected from dust & rain, can be installed in outdoor)
Two different products for VFD & grid - tie inverter are used	This product is a combination of VFD & grid-tie inverter in one
Remote monitoring system (RMS) & data logging facility not available	Remote monitoring system (RMS) along with data logging facility is available

29 Nov. 2021/R1  
Nov.2021-22/L3/500  
VC : 700071  
SAP : 2000017481



India : Toll Free No. 1800 103 5555

Other Countries : +91-7292 410500

## SHAKTI PUMPS (INDIA) LIMITED

Plot No. 401, 402, & 413, Industrial Area, Sector - 3, Pithampur - 454774,  
Dist. - Dhar, (M.P.) - INDIA, E-mail: info@shaktipumps.com, Visit us at : www.shaktipumps.com

Authorised Dealer / Distributor :



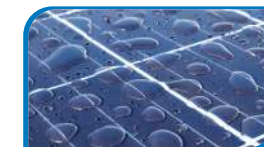
TAKING 'MAKE IN INDIA' FORWARD.



## KALPAVRIKSHA HYBRID CONTROLLER



USER FRIENDLY  
LCD DISPLAY



DUST & RAIN PROOF  
IP 65 DESIGN



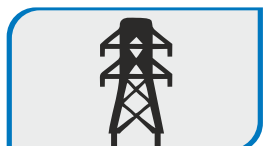
SUPPORTS WIDE  
VARIETIES OF MOTORS



PLUG & PLAY SHOCK-PROOF  
CONNECTIONS



GPRS ENABLED &  
BLUETOOTH CONNECTIVITY



FEEDS EXTRA  
POWER TO THE GRID



INBUILT MOBILE  
CHARGING PORT



POWERED WITH REMOTE  
MONITORING SYSTEM



INTELLIGENT DIGITAL  
CONTROL



INCREASE FARMER'S  
INCOME