



36

YEARS
OF LEADERSHIP
IN TECHNOLOGY

PROUDLY
MADE
IN
INDIA



36+ | YEARS OF TRUST
COUNTRY PRESENCE
GLOBAL OEM BRANDS MANUFACTURER

EMPOWERING A GREENER TOMORROW

THE COMPANY WITH OVER FOUR DECADES
OF MANUFACTURING EXPERTISE AND INNOVATION

PWM SOLAR UPS/ INVERTER

FORTUNER PWM Solar UPS/Inverters are the first preference for budget-conscious people and are the popular choice for middle-class homes and small businesses where price matters owing to the budgetary constraints.

These are simple in design, easy to install, and user-friendly to work with.

These inverters are best suited for smaller solar energy systems, like for small businesses and offices with less load. These are available in single phase and three phase. They come with intelligent powerful grid charging for speedy charging of batteries.



Our Salient Features

- User-Friendly - Selectable HYBRID/PCU and TUBULAR/SMF Function.
- Highly Efficient - Saves electricity and Enhances Battery Life.
- Quick Charging - These have intelligent Power-full grid charging and speedy charging of batteries.
- Extra Power & Longer Backup - Much better than its other counterparts
- Longer life - The Pure sine wave technology protects appliances and other sensitive electronic devices.



DSP based control guarantees high Reliability & Fast processing



TUBULAR/ SMF to Enhance the battery Life & Backup



User can set Solar Power Utilization (HYBRID/ PCU mode) according to the requirement.



Intelligent Power full Grid Charging for speedy Charging of Batteries.



Extra Power & longer backup from the same Battery in comparison to other low efficiency inverters.



Unique onsite parameter setting features provide the flexibility to change the UPS / INVERTER operating Parameter as per site conditions.



LCD Display displays all Inverter parameters like: Battery & Mains Input and Output, Charging Current & Load Power parameters, which makes our inverters very user friendly.



Sine wave Inverters gives the same current which you get from power grid, in comparison to square wave inverters. Pure Sine Wave protects and gives longer life to all Home appliances and sensitive Electronic devices.



Durable Design to sustain all type of Power fluctuations and fully protect the connected equipments.



No Need to use additional UPS for Computer. User can select UPS or INVERTER mode operation as per requirement.

TECHNICAL SPECIFICATIONS

Model	FR100S, FR400S FR500S, FR700S FR900S, FR1200S	FR1700S, FR2200S FR2500S FR3000S	FR2500S, FR3000S FR3500S FR5000S	FR5000S FR6000S FR7500S	FR10KS FR12KS FR15KS	FR3P10KS, FR3P12KS FR3P15KS, FR3P20KS FR3P25KS, FR3P30KS
Battery Voltage	12V	24V	48V	96V	120V, 180V, 240V	Customized*
Technology	DSP Based Full Bridge Topology					
Input/Output Phase	Single Phase					Three Phase
Output Voltage on Inverter Mode	220 ± 2%					220 ± 2% Per Phase
Output Frequency on Inverter Mode	50Hz ± 0.1Hz					
Changeover Time UPS Mode	<10 ms				NA	
Changeover Time INV Mode	<30 ms				<40 ms	
Changeover Mains to UPS and UPS to Mains	Automatic					
Output Waveform on Backup Mode	Pure Sine Wave					
THD	<3% (On Resistive/ Linear Load)					
Efficiency*	>80%			>85%		
Charger	CCCV Charger					
Charging Current	Up to 15Amp*			Up to 20Amp*		
Surge Load Capacity	300%					
Grid AC Input Voltage (UPS mode)	170-260+/-10V			NA		
Grid AC Input Voltage (INV mode)	100-290+/-10V			160-260+/-10V		
Output Voltage on Mains Mode	Same as Input					
Output Frequency on Mains Mode	Same as Input					
SOLAR CHARGER*						
System Battery Voltage	12V	24V	48V	96V	180V/240V/360V	As Per System Requirement
Maximum Connected Panel Array VOC	30V	50V	90V	180V	300V/ 400V	
Maximum Panel Current	50Amps.	50Amps.	50Amps.	50Amps.	50Amps.	
Suggested Solar Panel Watt Power*	600	1200	2400	4800	As Per Battery Voltage & System Requirement	
DISPLAY, PROTECTIONS AND INDICATIONS						
Display	16x2 Alpha Numeric LCD Display with LED Indications					
Display Parameters	Output Power (Watt), Mains AC Voltage, Output AC Voltage, Temperature (Deg. C), Battery Voltage, Charging (Amp.)					
Protections with Buzzer Indications	Low Battery, Overload, Short Circuit, Over Temperature					
Auto Reset Features	Yes					

Applications



Telecom



UPS

Emergency
Lighting

Security



Utility



Railways



Photovoltaic



Universal