



FORTUNER FRBP VI TWIN PREMIUM MODEL

Max PV Input
7000W

DUAL AC Output
6000W

Li-ion
Compatible

Max PV (ISC)
Current 27A

MPPT RANGE
120~ 430VDC

BMS
Battery
Management
System

Available on the
App Store
Available on the
Google Play



Max PV Voltage
500VDC

120A Max
Charging Current

IP65
Protection

Built-in
Bluetooth & Wifi

Parallel Feature
Up to 9 Unit

Net Metering
Feed into Grid

Outputs



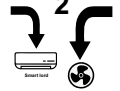
On-Grid Inverter with Energy Storage Specification

MODEL	FORTUNER FRBP VI TWIN
PHASE	1-phase in / 1-phase out
MAXIMUM PV INPUT POWER	7000W
RATED OUTPUT POWER	6000W
MAXIMUM CHARGING POWER	6000W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	26A
Power Factor	> 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	95%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 27A
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	26A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Maximum AC Input Current	40 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charging Current	120 A
Maximum AC Charging Current	120 A
Maximum Charging Current	120 A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	14
INTERFACE	
Parallel Function	Yes, 9 units
Communication Port	USB, RS-232, Dry Contact and WiFi
ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10°C to 50°C

FORTUNER HOME PRO FR PREMIUM 3K,5K



Max PV Input
3000W-5000W



DUAL AC Output
3000W-5000W



Li-ion
Compatible



Max PV (ISC)
Current 27A




MPPT RANGE
60~400VDC
120~450VDC



BMS
Battery
Management
System



Industrial

Max PV Voltage
500VDC



120A Max
Charging Current



IP65
Protection



Built-in
Bluetooth & Wifi



Residential



Commercial



Agriculture



FORTUNER PREMIUM SERIES Off-Grid Inverter

MODEL	HOME PRO FR Premium 3K	INDUSTRY PRO FR Premium 5K
Rated Power	3000VA/3000W	5000VA/5000W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)		
Surge Power	6000VA	10000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	32 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type		
Maximum PV Array Open Circuit Voltage	450 VDC	500 VDC
Maximum PV Array Power	3000W	5000W
MPP Range @ Operating Voltage	60 ~ 400 VDC	120 ~ 450VDC
Maximum Solar Charge Current	100 A	100A
Maximum AC Charge Current	80A	100A
Maximum Charge Current	100A	100A
PHYSICAL		
Dimension, D x W x H (mm)	110 x 288 x 390	120 x 300 x 440
Net Weight (kgs)	7.2	10
Communication Interface	RS232/RS485, optional WiFi	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	