Fronus ® بھروسے اجالا زندگی میں
SOLAR ENERGY

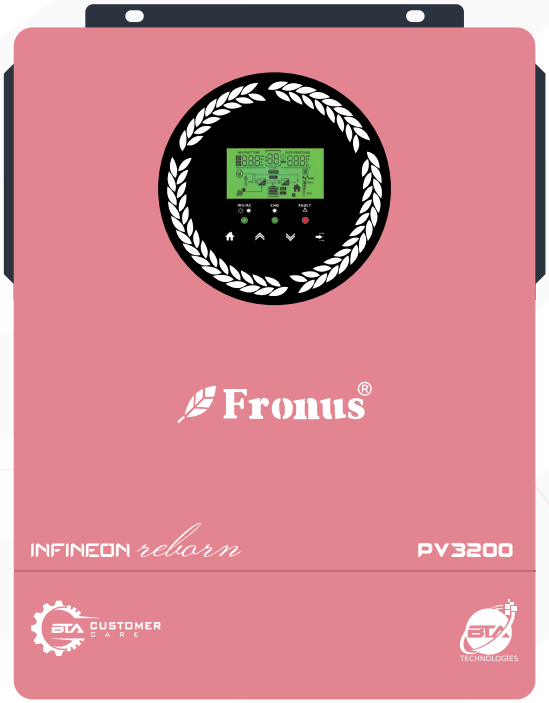
INFINEON reborn

PV3200

IP21 2.6 Kilowatts Hybrid Inverter

SMART ANTI DUST KIT

Protect Inverter From
Dust Particles



Wifi Controller
Smart Remote Monitoring Enabled

80A Max PV Charging
High-Efficiency Solar Charging System

Pure Sine Wave
Stable and Reliable Power Output

Li-ion Battery Compatible
Fully Compatible with Li-ion Batteries

SCAN QR CODE
For More Details

Call
UAN 042 111 111 140

Website
www.fronus.com

Fronus SOLAR ENERGY ® بھردے اجالا زندگی میں

INFINEON reborn PV3200

DATASHEET

Inverter Mode		
Rated Output Power		3200VA/3000W
Output Voltage Waveform		Pure Sine Wave
Output Voltage Regulation		230VAC ±5%
Output Frequency		50Hz
Peak Efficiency		94%
Overload Protection		5s@≥150% Load 10s@100%~150 Load
Surge Capacity		2x Rated Power For 5s
Nominal DC Input Voltage		24Vdc
Cold Start Voltage		23.0Vdc
High DC Recovery Voltage		29Vdc
High DC Cut-Off Voltage		30Vdc
No Load Power Consumption		<35W
Utility Charging Mode		
Charging Algorithm		3-Step
AC Charging Current (Maximum)		60A (@$V_{I/P}$ = 230Vac)
Bulk Charging Voltage	Flooded Battery	29.2
	AGM/Gel Battery	28.2
Floating Charging Voltage		27Vdc
MPPT Solar Charging Mode		
Maximum PV Array Power		3000W
Nominal PV Voltage		240Vdc
PV Array MPPT Voltage Range		30Vdc~400Vdc
Max PV Array Open Circuit Voltage		400Vdc
Maximum Charging Current		80A

Line Mode	
Input Voltage Waveform	Sinusoidal (Utility or Generator)
Nominal Input Voltage	230Vac
Low Loss Voltage	170Vac ±7V (UPS) 90Vac ±7V (Appliances)
Low Loss Return Voltage	180Vac ±7V (UPS) 100Vac ±7V (Appliances)
High Loss Voltage	280Vac±7V
High Loss Return Voltage	270Vac±7V
Maximum AC Input Voltage	280Vac
Nominal Input Frequency	50Hz / 60Hz (Auto Detection)
Low Loss Frequency	46±1Hz
Low Loss Return Frequency	47±1Hz
High Loss Frequency	54±1Hz
High Loss Return Frequency	53±1Hz
Output Short Circuit Protection	Circuit Breaker
Efficiency (Line Mode)	>95% (Rated R Load, Battery Full Charged)
Transfer Time	10ms For UPS 20ms For Appliance
General Specs	
Safety Certification	CE
Operating Temperature Range	-10°C to 50°C
Storage Temperature	-15°C to 60°C
Humidity	5% to 95% Relative Humidity (Non-Condensing)
Dimensions (D*W*H) mm	390*270*100
Net Weight (KG)	5.4

Version: 01