

INFINEON *reborn*

بھردے اجالا زندگی میں
Fronus
SOLAR ENERGY

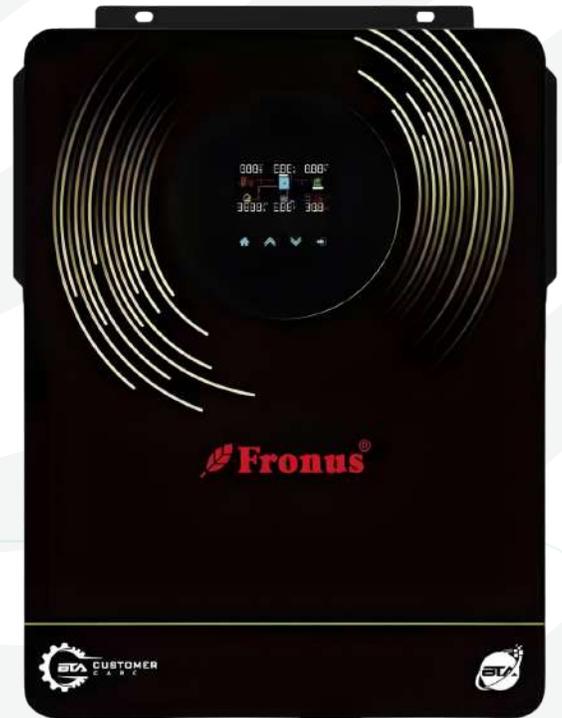
ECO 6200

IP21 6.2 Kilowatts Hybrid Inverter

DATASHEET

UPGRADED MPPT CHIPSET

Upgraded to Latest Chipset that
is more Efficient and Reliable



Wifi Controller

Smart Remote Monitoring Enabled



120A 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

DATASHEET

Inverter Mode		Grid-Tie Operation	
Maximum PV Input Power	7200W	Nominal Output Voltage	220/230/240VAC
Rated Output Power	6200W/6200VA	Feed-In Grid Voltage Range	195~253VAC
Output Voltage Waveform	Pure Sine Wave	Feed-In Grid Frequency Range	49~51±1Hz / 59~61±1Hz
Output Voltage Regulation	230VAC ±5%	Nominal Output Current	26.9A
Output Frequency	50Hz	Power Factor Range	>99
Peak Efficiency	93%	Maximum Conversion Efficiency (DC/AC)	97%
Overload Protection	3s@≥150% Load 5s@101%~150 Load	Line Mode	
Surge Capacity	12400W For 5s	Input Voltage Waveform	Sinusoidal (Utility or Generator)
Nominal DC Input Voltage	48Vdc	Nominal Input Voltage	230Vac
Cold Start Voltage	46.0Vdc	Low Loss Voltage	170Vac ±7V (UPS) 90Vac ±7V (Appliances)
High DC Recovery Voltage	62Vdc	Low Loss Return Voltage	180Vac ±7V (UPS) 100Vac ±7V (Appliances)
High DC Cut-Off Voltage	63Vdc	High Loss Voltage	280Vac±7V
No Load Power Consumption	50W	High Loss Return Voltage	270Vac±7V
Two Load Output Power		Maximum AC Input Voltage	300Vac
Full Load	6200W	Nominal Input Frequency	50Hz / 60Hz (Auto Detection)
Maximum Main Load	6200W	Low Loss Frequency	40±1Hz
Maximum Second Load Upto(Battery Mode)	2066W	Low Loss Return Frequency	42±1Hz
Main Load Cutt Off Voltage	52VDC	High Loss Frequency	65±1Hz
Main Load Return Voltage	54VDC	High Loss Return Frequency	63±1Hz
Utility Charging Mode		Output Short Circuit Protection	Circuit Breaker
Charging Algorithm	3-Step	Efficiency (Line Mode)	>95% (Rated R Load, Battery Full Charged)
AC Charging Current (Maximum)	100A (@V _{IP} = 230Vac)	Transfer Time	10ms For UPS 20ms For Appliance
Bulk Charging Voltage	Flooded Battery	General Specs	
	AGM/Gel Battery	Safety Certification	CE
Floating Charging Voltage	54Vdc	Operating Temperature Range	-10°C to 50°C
MPPT Solar Charging Mode		Storage Temperature	-15°C to 60°C
Maximum PV Array Power	7200W	Humidity	5% to 95% Relative Humidity (Non-Condensing)
Nominal PV Voltage	360Vdc	Dimensions (D*W*H) mm	450*350*110
PV Array MPPT Voltage Range	60Vdc~450Vdc	Net Weight (KG)	10.0
Max PV Array Open Circuit Voltage	500Vdc		
Maximum Charging Current	120A		