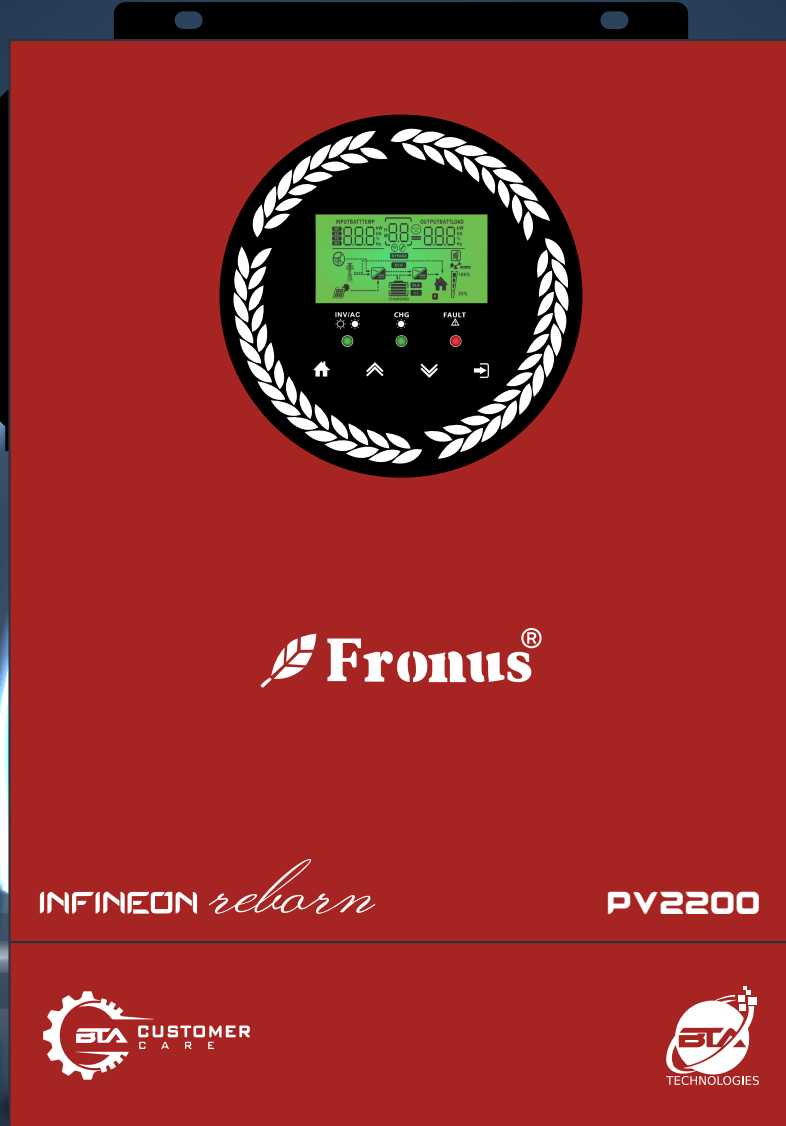


# INFINEON *reborn* PV2200

1.5kW Hybrid Solar Inverter



PRODUCT DATASHEET

Inverter Mode		Line Mode	
Rated Output Power	2000VA/1500W	Input Voltage Waveform	Sinusoidal (Utility or Generator)
Output Voltage Waveform	Pure Sine Wave	Nominal Input Voltage	230Vac
Output Voltage Regulation	230VAC ±5%	Low Loss Voltage	170Vac ±7V (UPS) 90Vac ±7V (Appliances)
Output Frequency	50Hz	Low Loss Return Voltage	180Vac ±7V (UPS) 100Vac ±7V (Appliances)
Peak Efficiency	94%	High Loss Voltage	280Vac±7V
Overload Protection	5s@≥150% Load 10s@100%~150 Load	High Loss Return Voltage	270Vac±7V
Surge Capacity	2x Rated Power For 5s	Maximum AC Input Voltage	280Vac
Nominal DC Input Voltage	12Vdc	Nominal Input Frequency	50Hz / 60Hz (Auto Detection)
Cold Start Voltage	11.5Vdc	Low Loss Frequency	46±1Hz
High DC Recovery Voltage	14Vdc	Low Loss Return Frequency	47±1Hz
High DC Cut-Off Voltage	16Vdc	High Loss Frequency	54±1Hz
No Load Power Consumption	<25W	High Loss Return Frequency	53±1Hz
<b>Utility Charging Mode</b>		Output Short Circuit Protection	Circuit Breaker
Charging Algorithm	3-Step	Efficiency (Line Mode)	>95% (Rated R Load, Battery Full Charged)
AC Charging Current (Maximum)	60A (@V <sub>1/P</sub> = 230Vac)	Transfer Time	10ms For UPS 20ms For Appliance
Bulk Charging Voltage	Flooded Battery	14.6	<b>General Specs</b>
	AGM/Gel Battery	14.1	
Floating Charging Voltage	13.5Vdc	Safety Certification	CE
<b>MPPT Solar Charging Mode</b>		Operating Temperature Range	-10°C to 50°C
Maximum PV Array Power	2000W	Storage Temperature	-15°C to 60°C
Nominal PV Voltage	240Vdc	Humidity	5% to 95% Relative Humidity (Non-Condensing)
PV Array MPPT Voltage Range	30Vdc~400Vdc	Dimensions (D*W*H) mm	36*270*100
Max PV Array Open Circuit Voltage	400Vdc	Net Weight (KG)	4.4
Maximum Charging Current	80A		