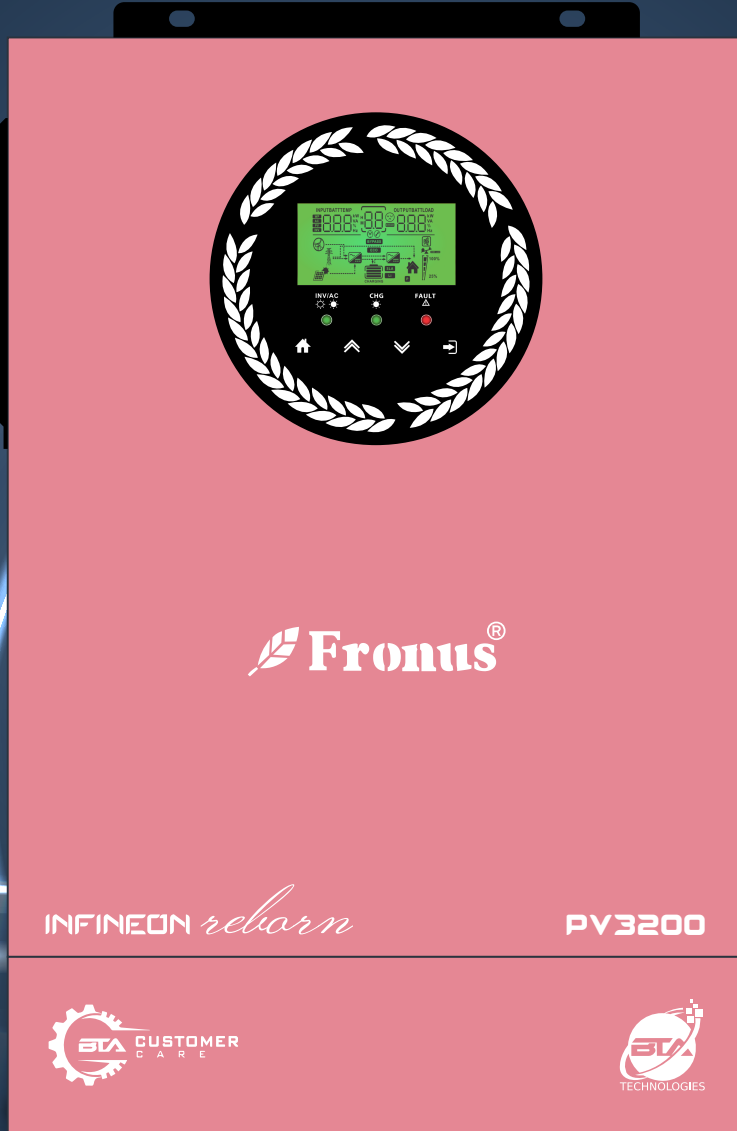


INFINEON *reborn* PV3200

3kW Hybrid Solar Inverter



PRODUCT DATASHEET

Inverter Mode		Line Mode	
Rated Output Power	3200VA/3000W	Input Voltage Waveform	Sinusoidal (Utility or Generator)
Output Voltage Waveform	Pure Sine Wave	Nominal Input Voltage	230Vac
Output Voltage Regulation	230VAC \pm 5%	Low Loss Voltage	170Vac \pm 7V (UPS) 90Vac \pm 7V (Appliances)
Output Frequency	50Hz	Low Loss Return Voltage	180Vac \pm 7V (UPS) 100Vac \pm 7V (Appliances)
Peak Efficiency	94%	High Loss Voltage	280Vac \pm 7V
Overload Protection	5s@ \geq 150% Load 10s@100%~150 Load	High Loss Return Voltage	270Vac \pm 7V
Surge Capacity	2x Rated Power For 5s	Maximum AC Input Voltage	280Vac
Nominal DC Input Voltage	24Vdc	Nominal Input Frequency	50Hz / 60Hz (Auto Detection)
Cold Start Voltage	23.0Vdc	Low Loss Frequency	46 \pm 1Hz
High DC Recovery Voltage	29Vdc	Low Loss Return Frequency	47 \pm 1Hz
High DC Cut-Off Voltage	30Vdc	High Loss Frequency	54 \pm 1Hz
No Load Power Consumption	<35W	High Loss Return Frequency	53 \pm 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)	60A (@V _{1P} = 230Vac)	Transfer Time	10ms For UPS 20ms For Appliance
Bulk Charging Voltage	Flooded Battery	29.2	General Specs
	AGM/Gel Battery	28.2	
Floating Charging Voltage	27Vdc	Safety Certification	CE
MPPT Solar Charging Mode		Operating Temperature Range	-10°C to 50°C
Maximum PV Array Power	3000W	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	390*270*100
Max PV Array Open Circuit Voltage	400Vdc	Net Weight (KG)	5.4
Maximum Charging Current	80A		