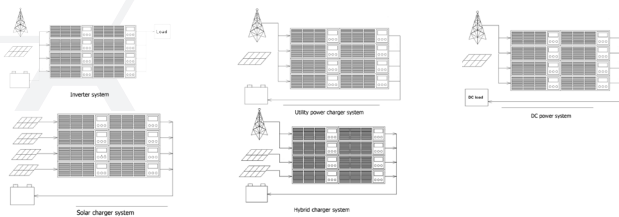


48V-2500VA COMPACT & SCALABLE INVERTER



APPLICATION



BENEFITS

- ✓ Pure sine wave output
- ✓ Hot-swappable design simplifies installation and maintenance
- ✓ Programmable supply priority for PV, Battery or Grid
- ✓ User-adjustable charging current and voltage
- ✓ Solar charger
- ✓ Monitoring software for real-time status display and control
- ✓ Parallel operation up to 8 units
- ✓ 3-in-1: inverter, AC/DC charger or PV charger
- ✓ Automatic load sharing on AC and DC output

SCHEMATIC



FEATURES



Pure sine wave output



bi-direction concept



Technology protects against low battery



FARBER-TECHTOR™
Technology protects against short circuit



SPECIFICATION

MODEL NUMBER	FA-INV-48V-2500VA
Capacity	2500VA/2500W
DC INPUT	
Nominal DC Voltage	48 VDC
Operating Voltage Range	40-60 VDC
Voltage Ripple	< 2.0 mV
Peak to Peak Noise	150 mV up to 100 MHz
Inrush Current	< 2 x I _{rated}
AC OUTPUT	
Nominal Voltage	220/230/240 VAC (Selectable)
AC Voltage Regulation	± 2% (max.)
Frequency Range	50 Hz± 0.1 Hz
Peak Efficiency	> 93%
Harmonic Distortion	< 3 % THD (Linear Load) <5% THD (Non-linear Load)
Overload Capability	>150% for 5 secs, >110% for 10 secs
Load Sharing	<5% st 50-100% load
AC INPUT	
Nominal Voltage	230 VAC
Operating Voltage Range	185 VAC-265 VAC
Frequency Range	50Hz/60Hz (Auto sensing)
DC OUTPUT	
Nominal Voltage	54 VDC
Max. Charging Current	60A
Charging Method	3-step algorithm
PV INPUT	
Max. Open Circuit Voltage	400 VDC
MPPT Voltage Range	200 VDC~370 VDC
Max. Charging Current	60A
GENERAL	
Dimension, D x W x H (mm)	409x215x88
Net Weight (kgs)	6
Humidity	5% to 95% RH (Non-condensing)
Operating Temperature	-20°C to 60°C
Safety	IEC 60950
Noise Level	Less than 50dB@ 1 Meter



FARBER-CHANGER™

Technology for instant change-over between power and battery and vice-versa



separated to operate in different operation modes



inverter, AC/DC charger or PV charger



Automatic load sharing on AC and DC output