

ALL THE POWER YOU NEED IN ONE DEVICE



TruckPower™



SC12-1000

Work Truck Power Module

- ✓ Clean and Reliable Sine Wave Power
- ✓ 1000W AC Power Inverter (Derates at +40°C)
- ✓ 2000W AC Surge Power (1 Second)
- ✓ 50A Temperature Compensated Charger
- ✓ 20A DC Power Supply
- ✓ Ignition Control and Interlock
- ✓ Cold Weather Operating Temp (-20°C)
- ✓ Quick Connect DC - Use in Multiple Vehicles
- ✓ All Metal Enclosure and for Safety

TruckPower™ Work Truck Power Module

TruckPower™ Sine Wave Inverter Specification

Input Characteristics	Nominal Voltage	12 VDC
	Input Voltage Range	10.5 ~ 16.5 VDC $\pm 0.3V$
	Input Over-Voltage Protection	16.5 VDC $\pm 0.3V$
	Input Under-Voltage Protection	10.5 VDC $\pm 0.3V$
	Input Current (Max)	130 A
	No Load Current	2.0 A
	Stand-By Current	0.2 A
Output Characteristics	Continuous Output Power	1000 VA $\pm 3\%$
	Surge Power	Load 101%~115% (1 Min) 2000 VA (1 Sec)
	Frequency	50/60 Hz ± 0.3 Hz (User-selectable)
	Output Voltage	100/110/115/120VAC $\pm 1-5\%$
	Efficiency Max (Full Load)	87%
	Short-Circuit Protection(1 sec)	Yes
	Output Waveform	Pure Sine Wave (THD < 3%)
	INV. AC Output	10 A MAX 1
	AC Output	20 A MAX 2
Protection	Input Protection	Over / Under Voltage, Reverse Polarity (Internal Fuse)
	AC Output Protection	Short-Circuit, Overload
	AC Input Protection	30 Amp Circuit Breaker
	Temperature protection	Shutdown
	Battery Temperature protection	By a RJ-45 connector to Battery Temperature sensor

TruckPower™ Smart Battery Charger Specification

AC Input Characteristics	Nominal Voltage / Frequency		110 VAC, 50 / 60Hz
	Input Voltage Range		90 ~ 132 VAC
	Input Frequency Range		47 ~ 63 Hz
	Nominal Current		8A (@110VAC)
	Efficiency (Full Load)		> 87%
	AC Input (Max)		30 A
	Power Factor Correction(PFC)		>0.98 (>40% Load)
DC Output Characteristics	Charging Current Range		0 ~ 50A
	Second Charger Output		10A
	Max. Output Voltage		14.5 VDC
	Battery Temperature Compensation		-25 mV per °C
	Battery Control (3-Stage Battery Chargers)	End Charge Cycle Voltage	14.4 V
		Floating Voltage	13.5 V
		Storage Voltage	12.8 V
Signal and Control	Remote Control Terminal		Controls the inverter ON / OFF operation
	Dry Contact Terminal		By Relay
Bypass Relay	Relay Specification		30 Amp / 250 VAC
Operating Temperature Range	Full Load		-20 °C ~ 40 °C
	Power de-rating		40 W / °C, 41~70 °C (Temporary)
	Storage		-30 °C~70 °C
Operating Humidity Range	0~93% Non-condensing		
Cooling	Temperature & Load Controlled Cooling Fan		
Mechanical Specification	Size (W x H x D)		11.57" (294 mm) / 5.94" (151 mm) / 10.49" (266 mm)
	Weight		Estimate 12-15 lbs / TBD
Safety and EMS	Safety Standards		UL-458 / GSA KKK / CAAS Compliant
	EMC Standards		Certified FCC Class A



Your authorized Vanner distributor is: