

Sinewave Inverter - Charger (Combi-Unit)



Pure sinewave



Charger



Transfer switch



Stand-by mode



Remote control port



Extended temperature range



Multiple electronic protection



Waterproof (S / RS-Version)



Programmable (optional)



Digital display (optional)

Applications

- Stationary MIL power
- Emergency Power Backup (UPS)
- Marine & other rugged environments
- Demanding environments
- All mobile MIL applications as tanks, trucks, building equipment
- Ruggedized to meet parts of MIL STD 810 and MIL STD 1275D Wheeled & Tracked Profiles

Series Combo RS 120VAC/60Hz

Description

One Unit - 3 functions: Charging, UPS, AC-Power

The ComboRS series are modular „building block“ sinewave inverter/chargers that can be used for both small and large power systems.

Each inverter/charger is a complete power conversion system - DC to AC inverter, battery charger and AC transfer switch. Additional inverter/chargers can be connected at any time in either parallel or in three-phase 120Y208VAC configurations. This allows a system to be tailored to meet the specific power conversion requirements of the application, both at the time of the installation and in the future.

The sinewave inverter is designed to survive harsh environments anywhere in the world.

Combo RS Inverter/Charger is considered the most rugged design available on the market.

Conformal coated circuit boards, a powder coated die-cast aluminum chassis protects the unit's internal components from the environment, resisting water, dust and corrosion.

Features

- Ruggedized / Tropicalized
- Waterproof IP62
- Bug-proof Construction
- Environmentally Tolerant
- High Temperature Tolerant
- Built-in intelligent Battery Charging System up to 55A continuous charging current
- 5-Stage, intelligent charger (bulk, absorb, float, silent, manual EQ)
- Built-in automatic AC-Transferswitch (max. switch capacity 30A)
- Networked communications
- Programmable AUX output
- Programmable generator start (Relaiscontact)
- Smooth, true sinewave AC output
- Inverter/chargers can be stacked from 2500VA up to 25000 VA of continuous AC power
- 3-Phase configuration possible
- Remote control optional available
- All relevant parameters programmable and stored in a non volatile memory

Specifications (Specifications Subject to Change Without Notice)

Inverter/Charger Model		ComboRS 2524-120/60 MIL
Electrical Specifications Inverter		
Nominal DC-Input Voltage	VDC	24
DC-Input Range (adjustable low battery cut-out)	VDC	21 - 34
Nominal AC-Output	VAC / Hz	120 / 60
Output Voltage Regulation	%	+/- 2
Continuous Power Rating at 25° C	VA	2500
Overload (from 25° C start) 30min	VA	3200
Overload (from 25° C start) 5 sec	VA	4800
Overload (from 25° C start) surge	VA	6000
Continuous AC-Output	AAC RMS	20.8
Maximum Output Current	AAC Peak	70
Maximum Output Current	AAC RMS	50
Efficiency at 75% power & 25° C	%	92
Total Harmonic Distortion (typ/max)	%	2 / 5
Idle Power (Sleep 6VA)	VA	20
Electrical Specifications Charger		
AC-Input Voltage Range	VAC	80 - 150
AC-Input Frequency Range	Hz	54 - 66
AC-Input Current max (adjustable limits)	AAC	18
Continuous Battery Charge Current (adjustable)	ADC	55
Charge Characteristics		5-stage (bulk, absorb, float, silent, manual EQ)
Battery temperature compensation	VDC	0.1/°C
Specifications Transferswitch		
Current capacity	AAC	30
MIL Standards		
MIL STD 461E		X
Meets portions of MIL STD 810 and MIL STD 1275 D Wheeled & Tracked Profiles		X
Other Specifications		
Fan		Load and temperature controlled internal fan
Operating temperature range	°C	- 40 to +60 derating -20VA for each degree C° above 25° C ambient temperature
Sealed		X
Conformal coating		X
Full ruggedizing		X
Connecton DC		DC Clamps
Connecton AC		Round connector output CA 3GD and input CA 3GS (custom version available on request)
Dimensons (LxWxH)	cm	44 x 21 x 34
Shipping weight	Kg	35

Available from:



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The power conversion company

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