

TOP CLASS Sinewave Inverter

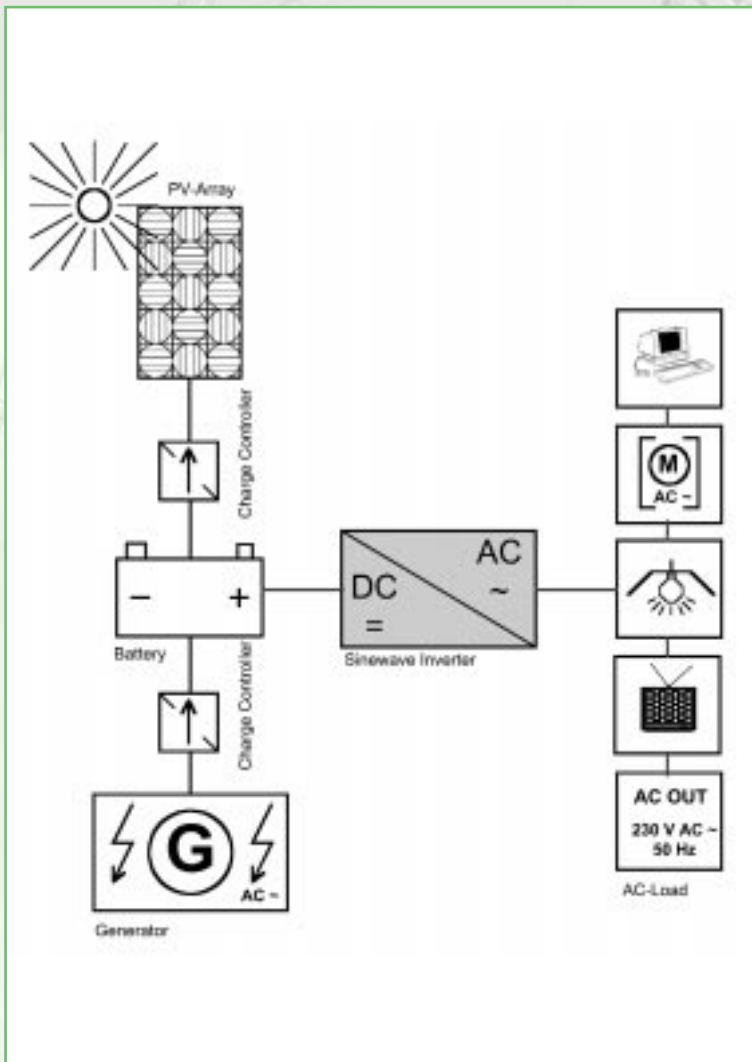
Industrial-Line

TC13/12 and TC20/12

- ▶ Solar
- ▶ Industry
- ▶ Public Services (rescue vehicle)
- ▶ Housing
- ▶ Yachting / Boating
- ▶ Lorries / Service-vehicle
- ▶ Railway
- ▶ Camping, leisure-time activities
- ▶ Turbine DC (wind, water)
- ▶ Grid-Connection

- ▶ Battery supervision
- ▶ True Sinewave
- ▶ Short circuit and overload security
- ▶ Standby-detection

Stand alone application



TC13/12



TC20/12

TOP CLASS**TC13/12****TC20/12**

Inverter	TC13/12	TC20/12
Rated Voltage UDC _{IN}	12V	12V
Input Voltage Range	10.5 ... 16.0V DC	10.5 ... 16.0V DC
Dynamic Low Voltage Cut Off (depending on load)	10.5 ... 9.0V DC	10.5 ... 9.0V DC
Rated current IDC _{IN}	125A	195A
Current IDC _{IN} max.	340A	520A
Rated Power P ₁₀ (10 min at TA=20°C)	1400VA	2300VA
Rated Power P ₃₀ (30 min at TA=20°C)	1300VA	2000VA
Continuous Power P _D	1000VA	1800VA
Rated Output Voltage UAC _{OUT}	230V AC, ± 2% (short circuit proof)	
Output Frequency	50Hz, ± 0.5% (true sinewave)	
Rated Output Current IAC _{OUT}	5.7A	8.7A
Short Circuit Current IAC _K (max. 0.5s)	16A	24A
Allowable CosPhi	0.3 ... 1	
Efficiency Factor max.	92%	93%
Adjustable Standby Level (logarithmic)	5 ... 60W	
Consumption Standby/OFF	ca. 0.5W (Test impulse every 800ms) / 0W	
Consumption 230V AC OK	10W	16W
Reset after Short Circuit	every 60s	
Reset after Overload	every 60s	
Reset after Overtemperature	automatically after reaching semiconductor temp. +45°C	
Reset after Battery failure	automatically after reaching UDC _{IN}	
General Data	TC13/12	TC20/12
Ambient Temperature range	-25°C ... +50°C (max. 95% rH, not condensing)	
DC- Breaker / fuse	no	no
Remote control ON / OFF	yes, with external switch	
Status indication	LED	LED
Alarm contact (insulated Relay contact)	no	yes
Toroidal Transformer (galvanically isolated)	IEC742, VDE0551	
Temperature and Load controlled fan	ON 55°C / OFF 45°C, PD >80%	
RS-232 Interface	no	no
Dimensions (L x W x H)	375 x 260 x 181 mm	456 x 320 x 211 mm
IP Protection	IP20	
Standards	CE	
Weight	15.5 kg	20 kg
Warranty	2 years	

Made in Switzerland

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