

# TC Sinewave Inverter

## 1300 - 2000 VA



### OVERVIEW

- Solar
- Industry
- Public Services (rescue vehicle)
- Housing
- Yachting / Boating
- Lorries / Service-vehicle
- Railway
- Camping, leisure-time activities
- Battery supervision
- True Sinewave
- Standby-Indikation
- Short circuit and overload security
- RS-232 Interface

Type	Power VA	Input VDC	Output VAC	Current A	Case
TC 13/12	1300	12	230	5,7	375 x 260 x 181 mm
TC 20/12	2000	12	230	8,7	456 x 320 x 211 mm

### TECHNICAL DATAS

	TC 13/12	TC 20/12
Input Voltage Range	10.5 ... 16.0VDC	10.5 ... 16.0VDC
Dynamic Low Voltage Cut Off (depending on load)	10.5 ... 9.0VDC	10.5 ... 9.0VDC
Rated current IDCIN	125A	195A
Current IDCIN max.	340A	520A
Rated Power P10 (10 min at TA = 20°C)	1.400VA	2.300VA
Rated Power P30 (30 min at TA = 20°C)	1.300VA	2.000VA
Continuous Power PD	1.000VA	1.800VA
Rated Output Voltage UACOUT	230V AC, ± 2% (short circuit proof)	
Output Frequency	50Hz, ± 0.5% (true sinewave)	
Rated Output Current IACOUT	5.7A	8.7A
Short Circuit Current IACK (max. 0.5s)	16A	24A
Allowable CosPhi	0.3 ... 1	
Efficiency Factor max.	92%	93%
Consumption 230VAC 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 UDCIN		
Ambient Temperature range	-25°C ... +50°C	
Temperature and Load controlled fan	ON 55°C / OFF 45°C, PD >80%	
Weight	15,5 kg	20 kg