

# Sinewave Inverter

## Serie TC



### OVERVIEW

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

Type	Power W	Input	Output	Current A	Case
TC 0.8/12	800 VA	12 VDC	230 VAC	3,5 A	360 x 210 x 120 mm
TC 10/24	1000 VA	24 VDC	230 VAC	4,2 A	360 x 210 x 120 mm
TC 10/48	1000 VA	48 VDC	230 VAC	4,2 A	360 x 210 x 120 mm

### TECHNICAL DATAS

	TC 0.8/12	TC 10/24	TC10/48
Input Voltage Range	10.5 ... 16.0	21.0 ... 32.0	42.0 ... 64.0VDC
Dynamic Low Voltage Cut Off (depending on load)	10.5 ... 9.0	21.0 ... 18	42.0 ... 36.0VDC
Rated current IDCIN	78A	50A	25A
Current IDCIN max.	250A	160A	80A
Rated Power P10 (10 min at TA = 20°C) 1.100VA	1.300VA	1.300VA	
Rated Power P30 (30 min at TA = 20°C)	950VA	1.200VA	1.200VA
Continuous Power PD	850VA	1.000VA	1.000VA
Rated Output Voltage UACOUT	230V AC, ± 2% (short circuit proof)		
Output Frequency	50Hz, ± 0.5% (true sinewave)		
Rated Output Current IACOUT	3.5A	4.2A	4.2A
Short Circuit Current IACK (max. 0.5s)	8A	11A	11A
Allowable CosPhi	0.3 ... 1		
Efficiency Factor max.	4%	94%	94%
Consumption 230V AC OK	8W	10W	10W
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 UDCINIIgemeine Daten			
Ambient Temperature range	-25°C ... +50°C		
DC-Breaker / fuse	100A	80A	32A
Temperature and Load controlled fan	ON 55°C / OFF 45°C, PD >80%		

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