

TOP CLASS «ALLEGRO» Sinewave Inverter

Profi-Line

TC08/12, TC10/24 and TC10/48

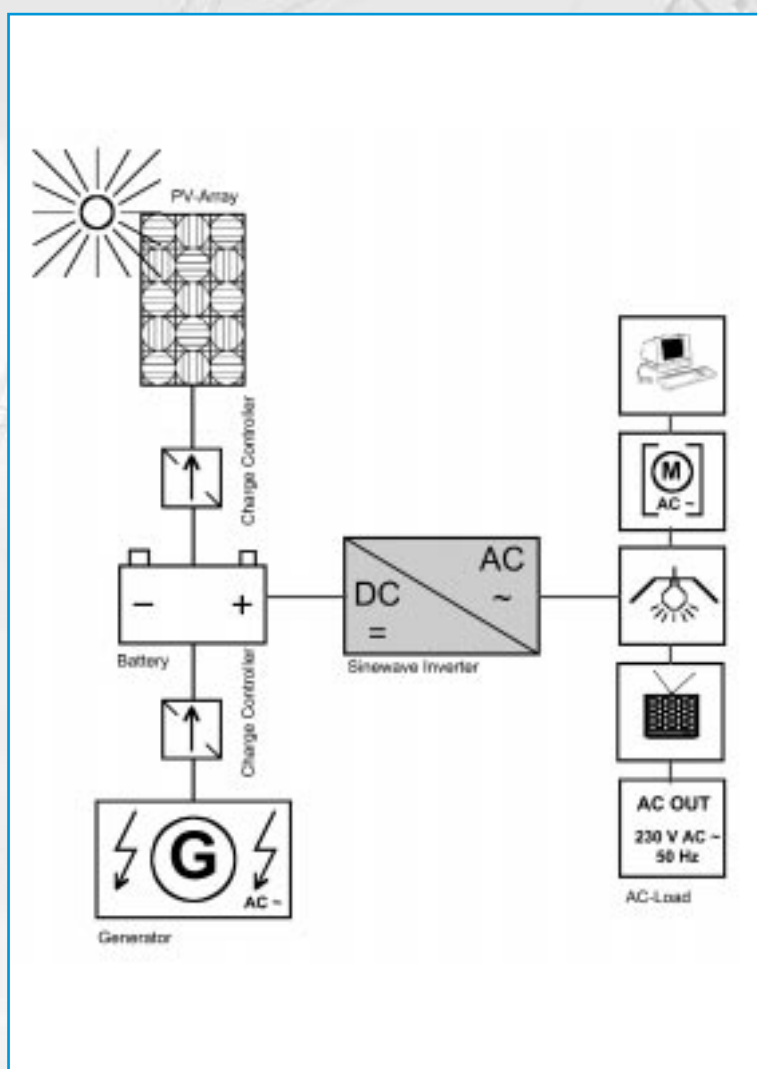
- ▶ Solar
- ▶ Industry
- ▶ Public Services (rescue vehicle)
- ▶ Housing
- ▶ Yachting / Boating
- ▶ Lorries / Service-vehicle
- ▶ Railway
- ▶ Camping, leisure-time activities
- ▶ Turbine DC (wind, water)
- ▶ Grid-Connection

- ▶ Battery supervision
- ▶ True Sinewave
- ▶ Short circuit and overload security
- ▶ Standby-detection
- ▶ RS-232 Interface



TC08/12, TC10/24 and TC10/48

Stand alone application



TOP CLASS «ALLEGRO»**TC08/12****TC10/24****TC10/48**

Inverter			
Rated Voltage UDC _{IN}	12V	24V	48V
Input Voltage Range	10.5 ... 16.0V DC	21.0 ... 32.0V DC	42.0 ...64.0V DC
Dynamic Low Voltage Cut Off (depending on load)	10.5 ... 9.0V DC	21.0 ... 18.0V DC	42.0 ... 36.0V DC
Rated current IDC _{IN}	78A	50A	25A
Current IDC _{IN} max.	250A	160A	80A
Rated Power P ₁₀ (10 min at TA=20°C)	1100VA	1600VA	1600VA
Rated Power P ₃₀ (30 min at TA=20°C)	950VA	1450VA	1450VA
Continuous Power P _D	850VA	1100VA	1100VA
Rated Output Voltage UAC _{OUT}	230V AC, ± 2% (short circuit proof)		
Output Frequency	50Hz, ± 0.5% (true sinewave)		
Rated Output Current IAC _{OUT}	3.5A	4.2A	4.2A
Short Circuit Current IAC _K (max. 0.5s)	8A	11A	11A
Allowable CosPhi	0.3 ... 1		
Efficiency Factor max.	94%	94%	94%
Adjustable Standby Level (logarithmic)	2 ... 40W		
Consumption Standby/OFF	ca. 0.5W (Test impulse every 800ms) / 0W		
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 UDC _{IN}		
General data			
Ambient Temperature range	-25°C ... +50°C (max. 95% rH, not condensing)		
DC- Breaker / fuse	80A	80A	32A
Remote control ON / OFF	via RS-232		
Status indication	LED	LED	LED
Alarm contact (insulated Relay contact)	no	no	no
Toroidal Transformer (galvanically isolated)	IEC742, VDE0551		
Temperature and Load controlled fan	ON 55°C / OFF 45°C, PD >80%		
RS-232 Interface	yes, 9-Pin, female		
Dimensions (L x W x H)	360 x 210 x 120 mm		
IP Protection	IP20		
Standards	CE		
Included in delivery	connector for non-heating apparatus		
Weight	10 kg	11 kg	11 kg
Warranty	2 years		