

# TOP CLASS Sinewave Inverter

## Industrial-Line

### TC22/48 and TC35/48

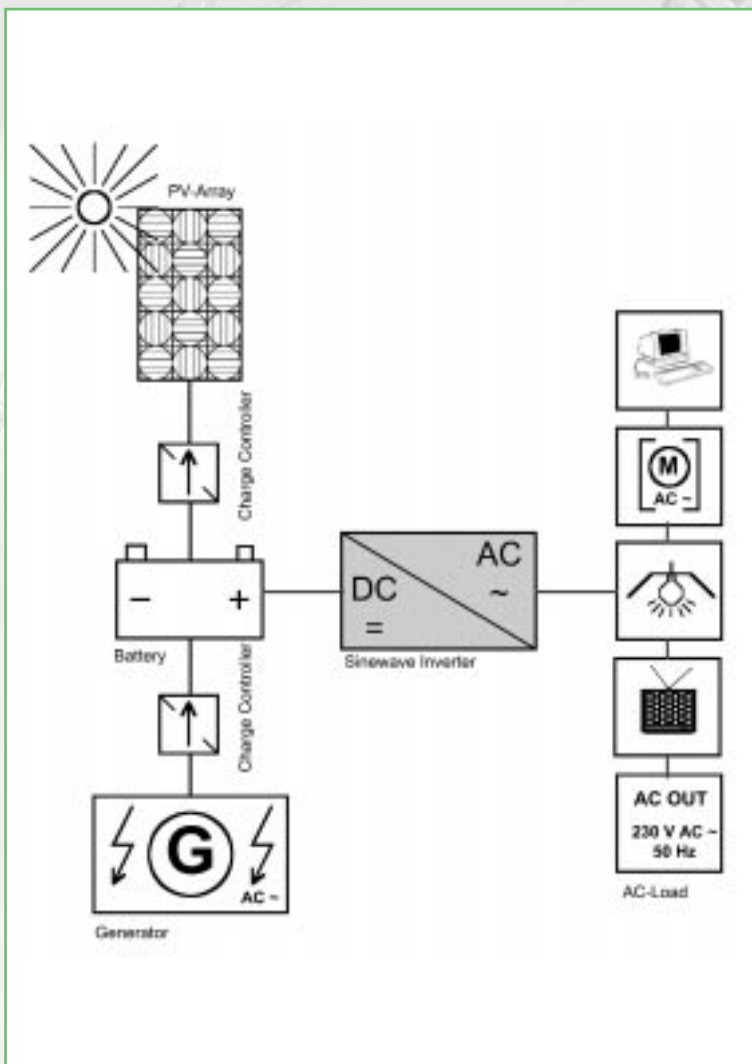
- ▶ Solar
- ▶ Industry
- ▶ Public Services (rescue vehicle)
- ▶ Housing
- ▶ Yachting / Boating
- ▶ Lorries / Service vehicle
- ▶ Railway
- ▶ Camping, leisure-time activities
- ▶ Turbine DC (wind, water)
- ▶ Grid-Connection

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



TC22/48 and TC35/48

## Stand alone application



**TOP CLASS****TC22/48****TC35/48**

Inverter	TC22/48	TC35/48
Rated Voltage $UDC_{IN}$	48V	48V
Input Voltage Range	42.0 ... 64.0V DC	42.0 ... 64.0V DC
Dynamic Low Voltage Cut Off (depending on load)	42.0 ... 36.0V DC	42.0 ... 36.0V DC
Rated current $IDC_{IN}$	54A	80A
Current $IDC_{IN}$ max.	96A	210A
Rated Power $P_{10}$ (10 min at $TA=20^{\circ}C$ )	2700VA	3900VA
Rated Power $P_{30}$ (30 min at $TA=20^{\circ}C$ )	2200VA	3500VA
Continuous Power $P_D$	2000VA	3200VA
Rated Output Voltage $UAC_{OUT}$	230V AC, $\pm 2\%$ (short circuit proof)	
Output Frequency	50Hz, $\pm 0.5\%$ (true sinewave)	
Rated Output Current $IAC_{OUT}$	9.6A	15.6A
Short Circuit Current $IAC_K$ (max. 0.5s)	16A	24A
Allowable CosPhi	0.3 ... 1	
Efficiency Factor max.	93%	93%
Adjustable Standby Level (logarithmic)	5 ... 60W	4 ... 40W
Consumption Standby/OFF	ca. 0.5W (Test impulse every 800ms) / 0W	
Consumption 230V AC OK	12W	12W
Reset after Short Circuit	every 60s	
Reset after Overload	every 60s	
Reset after Overtemperature	automatically after reaching semiconductor temp. $+45^{\circ}C$	
Reset after Battery failure	automatically after reaching $UDC_{IN}$	
General Data		
Ambient Temperature range	$-25^{\circ}C$ ... $+50^{\circ}C$ (max. 95% rH, not condensing)	
DC- Breaker / fuse	80A	100A
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 $55^{\circ}C$ / OFF $45^{\circ}C$ , PD $>80\%$	
RS-232 Interface	no	no
Dimensions (L x W x H)	456 x 320 x 211 mm	
IP Protection	IP20	
Standards	CE	
Weight	20 kg	30 kg
Warranty	2 years	