

TOP CLASS Sinewave Inverter

Industrial-Line

TC15/24, TC22/24 and TC30/24

- ▶ 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



TC15/24

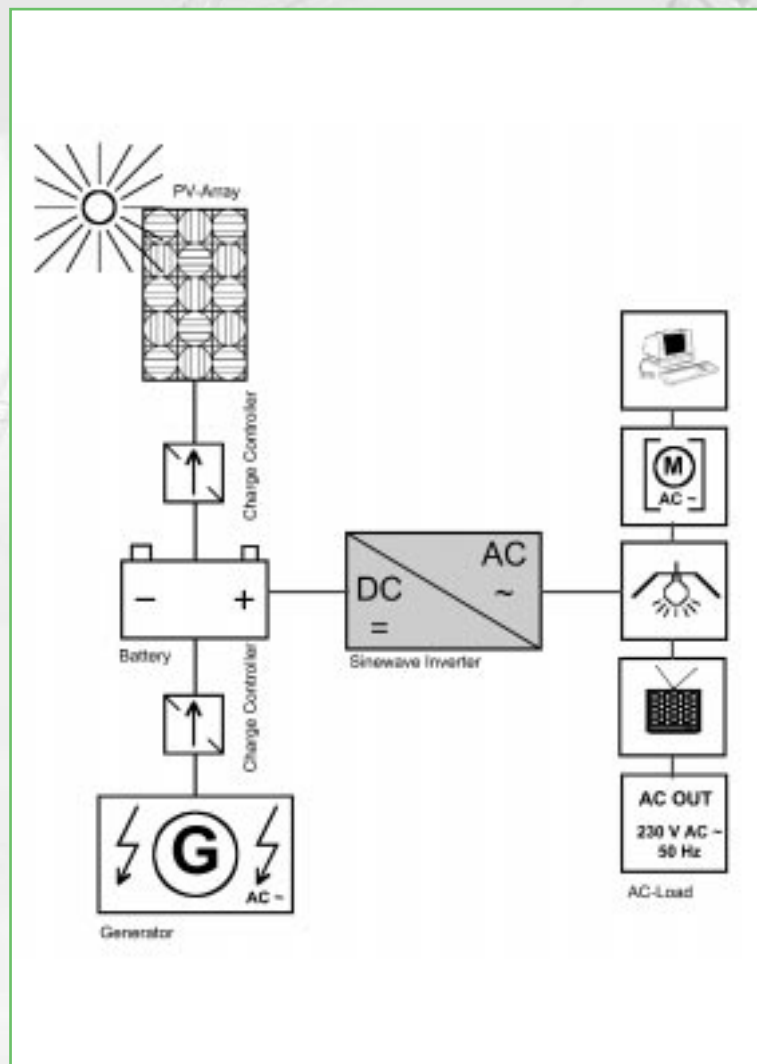


TC22/24



TC30/24

Stand alone application



TOP CLASS**TC15/24****TC22/24****TC30/24****Inverter**

Rated Voltage UDC_{IN}	24V	24V	24V
Input Voltage Range	21.0 ... 32.0V DC	21.0 ... 32.0V DC	21.0 ... 32.0V DC
Dynamic Low Voltage Cut Off (depending on load)	21.0 ... 18.0V DC	21.0 ... 18.0V DC	21.0 ... 18.0V DC
Rated current IDC_{IN}	72A	110A	150A
Current IDC_{IN} max.	140A	205A	340A
Rated Power P_{10} (10 min at $TA=20^{\circ}C$)	1700VA	2900VA	3200VA
Rated Power P_{30} (30 min at $TA=20^{\circ}C$)	1500VA	2200VA	3000VA
Continuous Power P_D	1200VA	2000VA	2700VA
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}	6.7A	9.6A	13A
Short Circuit Current IAC (max. 0.5s)	16A	24A	35A
Allowable CosPhi	0.3 ... 1		
Efficiency Factor max.	93%	93%	94%
Adjustable Standby Level (logarithmic)	5 ... 60W		
Consumption Standby/OFF	ca. 0.5W (Test impulse every 800ms) / 0W		
Consumption 230V AC OK	12W	12W	22W
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	100A	125A	no
Remote control ON / OFF	yes, with external switch		
Status indication	LED	LED	LED
Alarm contact (insulated Relay contact)	no	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	no
Dimensions (L x W x H)	385 x 260 x 182 mm	456 x 320 x 211 mm	456 x 320 x 211 mm
IP Protection	IP20		
Standards	CE		
Weight	16 kg	20 kg	31 kg
Warranty	2 years		

Made in Switzerland

A product of: **Advanced Solar Products AG**, www.asp-ag.com