



## ASP Top Class

### High degree of efficiency

The selection of high-quality components allows for an extremely high degree of efficiency and thus reduces losses to a minimum.

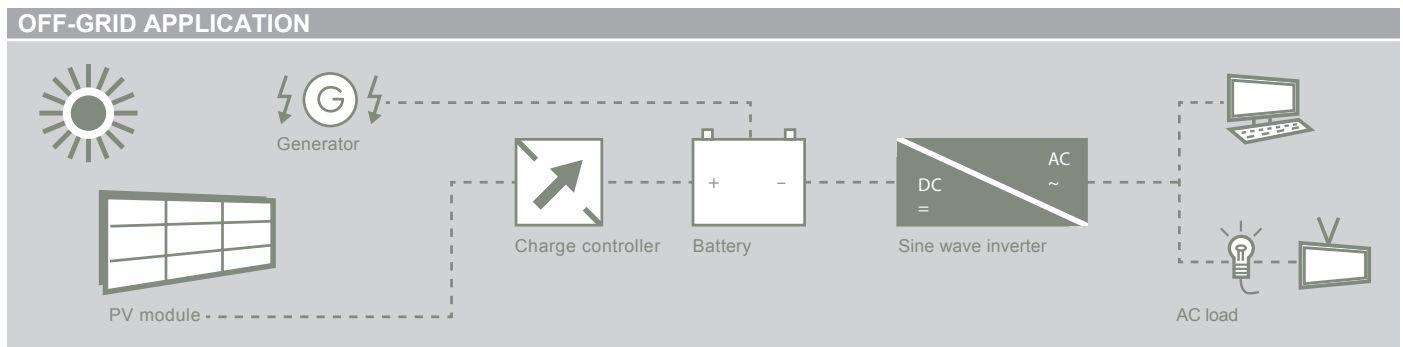
### Galvanic isolation

A galvanic isolation exists between the DC side (direct current side) and the AC side (alternating current side) which is realised by a 50 Hz toroidal transformer.

### True sinusoidal wave

The public electrical grid has a sine-shaped voltage flow which is designated as sinusoidal voltage. Our devices recreate this sinusoidal voltage and provide the consumers with the same or better quality of sinusoidal voltage as the public electricity grid.

# ASP Top Class Off-grid sine wave inverter



The inverter converts the DC battery voltage (direct current) into  $230V_{AC}$  (sinusoidal alternating current). Voltage-controlled, it provides a stabilized, quartz-precise direct current of  $230V_{AC}/50\text{Hz}$  (other voltages and frequencies as per type label). All conventional consumption items such as energy-saving light bulbs, computers, engines, pumps, radio and HiFi systems can be operated with the sinusoidal inverter.

INPUT (DC)	25 / 110
Rated voltage $U_{DC\ IN}$	110 V
Input voltage range $U_{DC}$	96,0 ... 148,0 V
Dynamic low voltage cut off $U_{DC}$	96,0 ... 84,0 V
Rated current $I_{DC\ IN}$	23 A
Current $I_{DC\ IN\ max.}$	70 A

OUTPUT (AC)	25 / 110
Rated output current $I_{AC\ Out}$	11,0 A
Short circuit current $I_{AC\ K}$ (max. 0.5 s)	16 A
Rated power $P_{10}$ (10 min at $T_A=20^\circ\text{C}$ )	2900 VA
Rated power $P_{30}$ (30 min at $T_A=20^\circ\text{C}$ )	2500 VA
Continuous power $P_D$	2200 VA
Rated output voltage $U_{AC\ Out}$	$230\text{ V} \pm 2\%$
Output frequency $f_{AC}$	$50\text{ Hz} \pm 0,5\%$
Power factor ( $\cos\ \varphi$ )	0,3 ... 1,0

GENERAL SPECIFICATION	25 / 110
Model name	ASP Top Class 25/110
Size (L x W x D)	456 x 320 x 211 mm
Weight	25,0 kg
Efficiency factor max.	93 %
Adjustable standby level	4 ... 40 W
Consumption standby / OFF	Ca. 1,5 W / 0 W
Consumption $230V_{AC}$ OK	13 W
DC breaker / fuse	63 A
Remote control ON / OFF	Yes, with external switch
Protection degree	IP20
Status indication	LED
Reset after short circuit	Automatically every 60 s
Reset after overload	Automatically every 60 s
Reset after overtemperature	Automatically after reaching semiconductor temperature $+45^\circ\text{C}$
Reset after battery failure	Automatically after reaching $U_{DC\ IN}$
Ambient temperature range	$-25 \dots +50^\circ\text{C}$ (max. 95 % rH, non-condensing)
Temperature and load controlled fan	ON $55^\circ\text{C}$ / OFF $45^\circ\text{C}$ , $P_D > 80\%$
Alarm contact (insulated relay contact)	Yes
Toroidal transformer (galvanically isolated)	EN61558 (IEC61558)
Warranty	2 years
Declaration of conformity	CE

**Fabrimex AG**  
 Techcenterstrasse 2  
 CH-8608 Bubikon  
 Switzerland  
 Email: [info@fabrimex.com](mailto:info@fabrimex.com)  
 Tel: +41 (0)55 253 3190  
 Mondays to Fridays from 8 am to 5 pm (apart from official Bank Holidays)

[www.fabrimex.com](http://www.fabrimex.com)

December 2014 - All information and specifications are subject to change without notice

**asp**  
 advanced solar products