



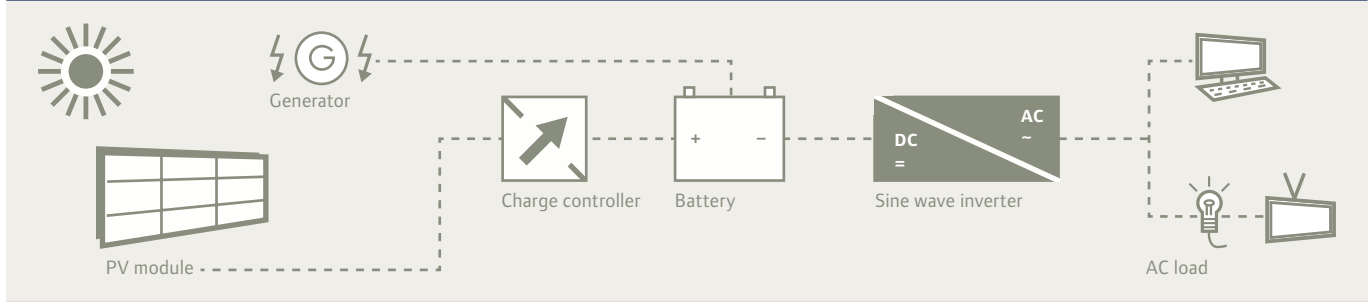
## *SOLON Piccolo*

Off-grid sine wave inverter.

- › Pure sine wave
- › Short circuit and overload security
- › High efficiency factor
- › Galvanic isolation

# SOLON Piccolo

## Off-grid application



Input variables (DC)		1,5/12	2,5/24
Rated voltage DC	$U_{DC IN}$	12 V	24 V
Input voltage range	$U_{DC}$	10,5 – 16,0 $V_{DC}$	21,0 – 32,0 $V_{DC}$
Dynamic low voltage cut (depending on load)	$U_{DC}$	10,5 – 9,0 $V_{DC}$	21,0 – 18,0 $V_{DC}$
Rated current DC	$I_{DC IN}$	14 A	12 A
Max. current	$I_{DC max}$	32 A	37 A

Output variables (AC)		1,5/12	2,5/24
Rated output current AC	$I_{AC OUT}$	0,7 A	1,1 A
Short circuit current (max. 0.5 s)	$I_{AC K}$	2 A	3 A
Continuous power	$P_{AC}$	150 VA	250 VA
Rated power (10 min at $T_A = 20^\circ C$ )	$P_{10}$	195 VA	350 VA
Rated power (30 min at $T_A = 20^\circ C$ )	$P_{30}$	180 VA	330 VA
Rated output voltage AC (short circuit proof)	$U_{AC OUT}$	230 $V_{AC} \pm 2\%$	230 $V_{AC} \pm 2\%$
Output frequency (pure sine wave)	$f_{AC}$	50 Hz $\pm 0.5\%$	50 Hz $\pm 0.5\%$
Power factor	$\cos\Phi$	0,3 – 1,0	0,3 – 1,0

Typical data		1,5/12	2,5/24
Dimensions (L x W x H)		190 x 110 x 75 mm	190 x 110 x 75 mm
Weight		1.8 kg	2.5 kg
Efficiency factor max.		92%	93%
Consumption 230 $V_{AC}$ OK		2,5 W	3 W
DC-breaker		No	No
Remote control ON/OFF		No	No

Housing-protection	IP 20
Status indication	LED
Reset after short circuit	Every 60 s
Reset after overload	Every 60 s
Reset after overtemperature	Automatically after reaching semiconductor temp. 45°C
Reset after battery failure	Automatically after reaching $U_{DC IN}$

Ambient temperature range	-25°C to +50°C (max. 95% rH, non-condensing)
Toroidal transformer	Galvanically isolated EN61558 (ICE61558)
Temperature and load controlled fan	ON 55°C/OFF 45°C, $P_D > 80\%$
Warranty	2 years
Certificate	Declaration of conformity



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