



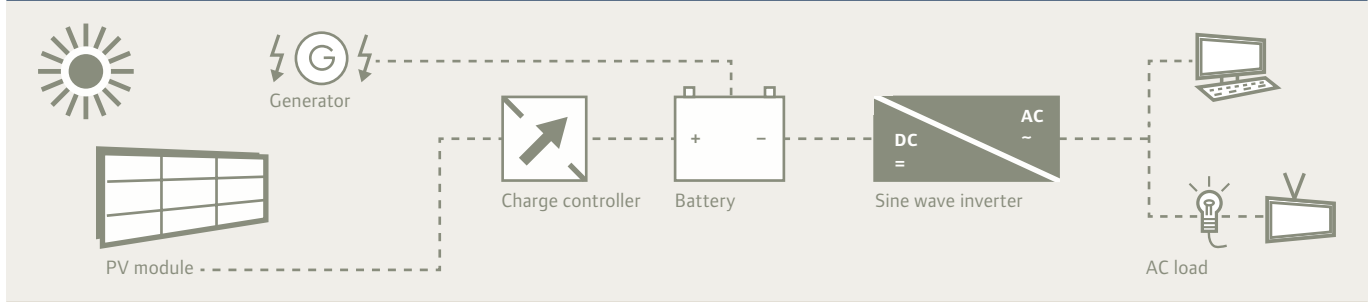
SOLON Piccolo

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)

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

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. $45^\circ C$
Reset after battery failure	Automatically after reaching UDC_{IN}

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



SOLON Inverters AG
Burgerfeldstrasse 19
8730 Uznach/SG · Switzerland

Phone +41 55 24641-14
Fax +41 55 24641-16
E-Mail inverters@solon.com

SOLON SE
Am Studio 16
12489 Berlin · Germany

Phone +49 30 81879-0
Fax +49 30 81879-9999
E-Mail components@solon.com

SOLON S.p.A.
Via dell'Industria e dell'Artigianato 2
35010 Carmignano di Brenta PD · Italy

Phone +39 049 9458200
Fax +39 049 9458299
E-Mail solon.it@solon.com

Your speciality retailer

www.solar-wind.co.uk

For more information on SOLON products visit us on www.solon.com.