



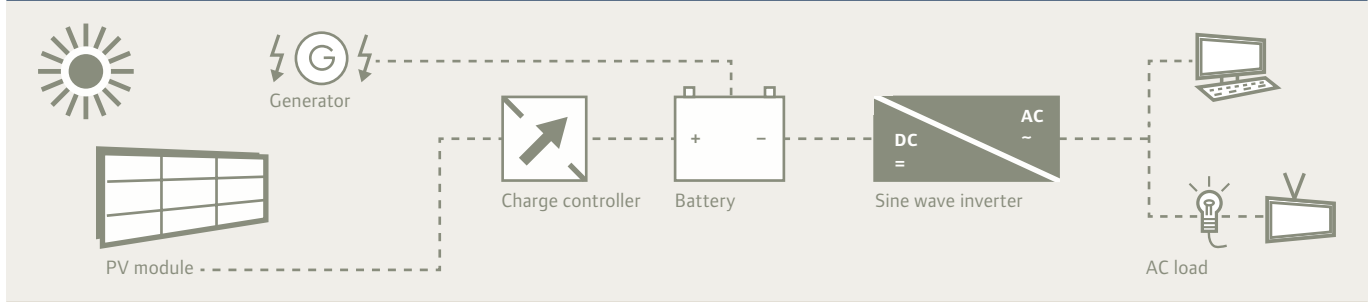
SOLON Domino

Off-grid sine wave inverter.

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

SOLON Domino

Off-grid application



Input variables (DC)		05/12	07/24
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	$I_{DC IN}$	50 A	35 A
Max. current	$I_{DC max}$	160 A	150 A

Output variables (AC)		05/12	07/24
Rated output current AC	$I_{AC OUT}$	2,1 A	3,0 A
Short circuit current (max. 0.5 s)	$I_{AC K}$	6 A	8 A
Continuous power	P_{AC}	550 VA	710 VA
Rated power (10 min at $T_A = 20^\circ C$)	P_{10}	675 VA	1,300 VA
Rated power (30 min at $T_A = 20^\circ C$)	P_{30}	620 VA	1,100 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	$CosPhi$	0,3 – 1,0	0,3 – 1,0

Typical data		05/12	07/24
Dimensions (L x W x H)		275 x 155 x 96 mm	275 x 155 x 96 mm
Weight		5.1 kg	6.8 kg
Efficiency factor max.		93%	94%
Consumption 230 V_{AC} OK		5 W	8 W
DC breaker		63 A	63 A
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)
Consumption Standby/OFF	ca. 1,5 W (testpulse 800 ms) / 10 mA
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



SOLON Inverters AG
Bürgerfeldstrasse 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

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