



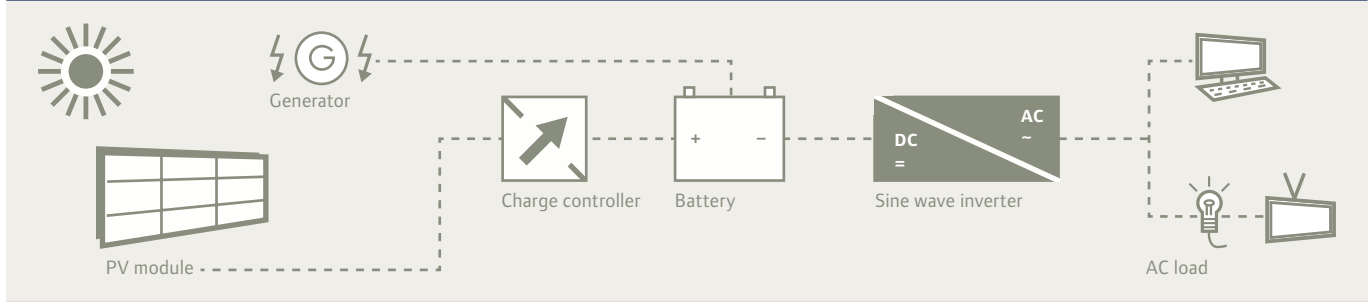
## *SOLON Domino*

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)

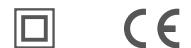
Rated output current AC	$I_{AC OUT}$	2,1 A	3,0 A
Short circuit current (max. 0.5 s)	$I_{AC K}$	6 A	8 A
Continuous power	$P_{AC}$	550 VA	710 VA
Rated power (10 min at $T_A = 20^\circ C$ )	$P_{10}$	675 VA	1,300 VA
Rated power (30 min at $T_A = 20^\circ C$ )	$P_{30}$	620 VA	1,100 VA
Rated output voltage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

### Typical data

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

Ambient temperature range	$-25^\circ C$ to $+50^\circ C$ (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 $55^\circ C$ / OFF $45^\circ C$ , $P_D > 80\%$
Warranty	2 years
Certificate	Declaration of conformity



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