

SINE WAVE INVERTER

Sunny Island 3324, 4248



PRODUCT ADVANTAGES:

Advantage gained through:

- AC coupling
- DC coupling

Designed for harsh ambient conditions

- High temperatures
- Insects
- Dust

Long service life:

- Optimized charging process
- Deep discharge protection

Easy installation and handling:

- Integrated DC circuit breaker
- Permanent storage of parameters

Optimum energy efficiency:

- Extremely high efficiency
- Optimized generator integration

High supply reliability:

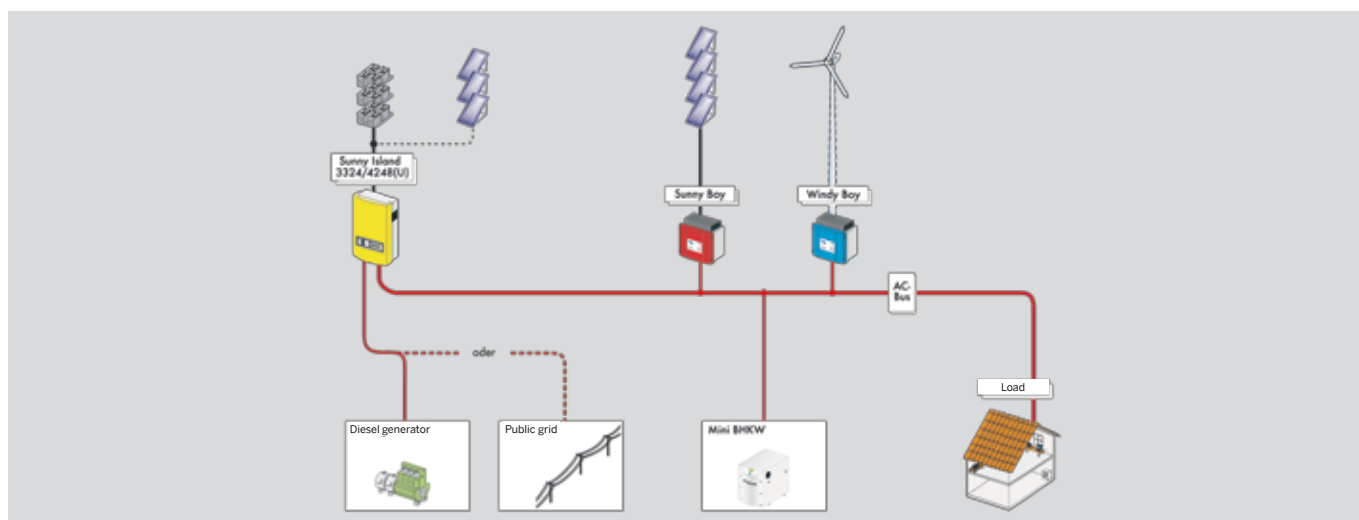
- Overload capacity
- New, digital control unit

Compatible with all Sunny Family products, e.g.:

- Sunny Boy
- Sunny Boy Control

24 V battery voltage (SI 3324)

48 V battery voltage (SI 4248)



Schematic diagram of an AC stand-alone system

TECHNICAL DATA

Sunny Island		3324	4248
AC output			
Rated AC output voltage (can be changed)	V	230 (202–253)	230 (202–253)
Nominal frequency	Hz	50	50
Continuous AC output at 25 °C	W	3300	4200
Continuous AC output at 45 °C	W	2300	3400
AC output for 30 mins at 25°C	W	4200	5400
AC output for 1 min at 25°C	W	5000	7000
Nominal AC current	A	14,5	18
Max. current (peak value) 0–100 ms	A	100 (100 ms)	100 (100 ms)
Max. current (peak value) 100 ms–3 s	A	50 (3 s) 70 (3 s)	
Distortion factor of output voltage	%	<3	<3
AC input			
Nominal voltage	V	230	230
Nominal frequency	Hz	50	50
Max. AC flow current	A	56	56
Generator voltage	V	230 (172,5–250)	230 (172,5–250)
Generator frequency	Hz	50	50
Max. conductible generator output	kW	12,8	12,8
Battery data			
Nominal battery voltage	V	24	48
Battery voltage range	V	21–32	41–63
Maximum battery charging current	A	140	100
Battery capacity	Ah	100–6000	100–6000
Degree of efficiency			
Maximum efficiency (typically)	%	94,5	95,0
Power consumption			
Own consumption in operation	W	approx. 22	approx. 22
Own consumption in standby	W	<4	<4
Mechanical data			
Temperature range	°C	–25 ... +50	–25 ... +50
Protection degree		IP30	IP30
Weight	kg	39	39
Dimensions (W x L x H)	mm	390 x 590 x 245	390 x 590 x 245
Interfaces		2 LEDs; 2-row LCD; 4 buttons 1 relay for load shedding Interface RS 232 / RS 485 Galvanically isolated (optional)	2 LEDs; 2-row LCD; 4 buttons 1 relay for load shedding Interface RS 232 / RS 485 Galvanically isolated (optional)
Accessories			
		External battery temperature sensor (included); generator management "GenMan" (optional)	External battery temperature sensor (included); generator management "GenMan" (optional)
Article numbers			
		360013300SI	360014200SI

Electrical specifications and standard test conditions: 1000 W/m²; 25 °C; AM 1.5. Subject to technical changes for further improvements.