

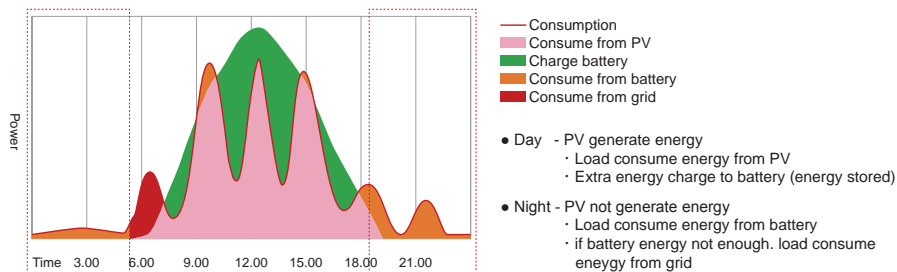
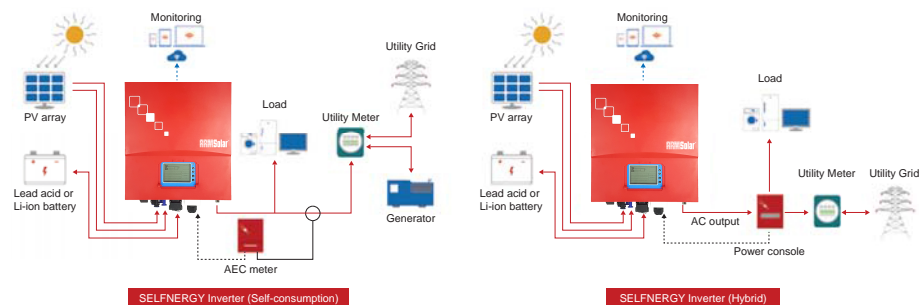
# SELFENERGY SERIES

Single phase Self-Consumption Management

3.3 kW - 5kW

## Features :

- Self consumption application of solar power energy storage system
- User-friendly-interface to monitor energy flow easily
- Intelligent load management with smart meter and split-core CT
- Special external capacitor modular design extends life span
- IP65 fan-less nature cooling design
- Work up to 50°C without derating
- High battery discharge power (5.3kW), charge/ discharge efficiency > 95%
- Applicable to connect with Genset to maximize fuel efficiency and reduce fuel cost



## Specification :

Model	Selfnergy-3300	Selfnergy-5000
<b>Output Data (AC)</b>		
Maximum AC Output	3,300W	5,000W*
Maximum AC Output Current	16.5 a.c.A	24.5 a.c.A
Nominal AC Voltage	220 a.c.V-240 a.c.V	
Grid AC Frequency	50/60Hz, auto-selection	
Power Factor	> 0.99 @ 20% load	
Reactive Power Factor	1 or adjustable from -0.9 to +0.9**	
Total Harmonic Distortion	< 3%	
AC connection / Grid forms	Single-Phase / TN-C, TN-S, TN-C-S	
<b>Input Data (DC)</b>		
Maximum DC Power	3,600W	5,300W
Maximum DC Input Current	18 d.c.A	26.5 d.c.A
Max. number of MPP Trackers	1	
Maximum DC Voltage	650 d.c.V	
MPP Tracking Voltage Range	150 d.c.V - 500 d.c.V	
Peak Power Tracking Voltage Range	200 d.c.V - 460 d.c.V	
<b>Input Data (Battery)</b>		
Maximum Discharging Power	3,600W	5,300W
Maximum Discharging Current	18 d.c.A	24.5 d.c.A
Maximum Charging Current	20 d.c.A	
Maximum Battery Voltage	400 d.c.V	
Configurable Battery Voltage Range	198 d.c.V - 400 d.c.V	
Charge Control	Constant Current (CC), Constant Voltage (CV)	
<b>Efficiency</b>		
MPPT Efficiency	>99.9%	
Maximum Efficiency	96.5%	96.9%
Euro. Efficiency	96.1%	96.6%
Consumption: Standby / Night	<12.5W / <0.5W	
<b>General Specification</b>		
Dimensions (W x H x D) in mm	405 x 442 x 165	
Weight	25.8kg	
Cooling Concept	Natural Cooling	
Acoustic Noise Level	< 35dB(A)	
Maximum Operating Temperature Range without derating	-20 °C to +55 °C	-20 °C to +50 °C
Ambient Temperature Range	-25 °C to +60 °C	
Relative Humidity	0 to 95%, non-condensing	
Protection Degree	IP65	
Topology	Transformerless	
<b>Features</b>		
DC Connection	PV4 , MC4	
DC Disconnect	yes	
AC Connection	AC connectors	
Display	Graphic LCD screen	
Communication Interface	RS485 ; Ethernet (Option), WIFI (Option)	
Safety	VDE-AR-N 4105 ; IEC 62109-1 / -2	
Warranty	1 year	

\* For VDE-AR-N4105, the inverter is rated 4,600VA

\*\* Adjustable from 0.95 over-excited to 0.95 under-excited with VDE-AR-N 4105

\*\*\* Specifications are subject to change without prior notice.