VIP Series

VaySunic Intelligent Power means you can storage all the energy from solar you capture or from grid, and generates to grid whenever you need.

FLEXIBILITY AND RELIABILITY

Plug-and-play, stackable design

ECONOMIC EFFICIENCY

Transfer efficiency up to 97%

APPLICATIONS FOR ALL

One module for balcony, and more modules for residetial and small commercial

BIDIRECTIONAL ENERGY CONVERSION

This system allows energy to flow in both directions between the battery and the grid

Technical Specifications

VIP

Model	VIP1000	VIP2000
DC Data		
Change and discharge Power (W)[1]	1000	2000
Start-up Voltage (V)	36	36
Maximum Voltage (V)	63	63
Maximum DC Current (A)	25	50
DC portbackfeed current (A)	0	
Overvoltage class DC port	II	
AC Data		
Rated AC Power (VA)	1000	2000
Rated AC Current (A)	4.35	9.7
Maximum Units per 10AWG Branch[2]	7	4
Maximum Units per 12AWG Branch[2]	4	2
Nominal Output Voltage (V)[3]	230/240	
Nominal Frequency (Hz)	50	
Maximum AC overcurrent protection (A)	6.5	13
Maximum AC fault current (A)	6.5	13
Current inrush (A)	0	
Overvoltage class AC port	III	
Power Factor (adjustable)	>0.99(default)	
Total Harmonic Distortion	<3%	
Efficiency		
Peak Efficiency	97%	96.90%
Nighttime Power Consumption (mW)	< 50	< 50
General Data		
Operating temperature range	-25 ~ +60 °C（-13℉~140℉）	
Dimensions (W x H x D mm)	400× 630× 300mm	400× 930× 300mm
Weight (kg)	8.3Kg±3% (No batteries)	11.5Kg±3% (No batteries)
Enclosure rating	Outdoor IP65	
Relative humidity	0~100%, No condensing	
Max. operation altitude (m)	2000	
Pollution degree	III	
Cooling	Natural Convection (no fans)	
Communication	WIFI / Sub-1G	
Monitoring	VaySunic Cloud[4]	
Display	LED Indicators; Integrated WLAN +VaySunic APP	
Type of Isolation	Galvanically Isolated HF Transformer	
Compliance	IEC/EN 62109-1，IEC/EN 62109-2，IEC/EN 61000-6-1/-2/-3/-4，EN50549-1: 2019，VDE-AR-N 4105: 2018，CEI0-21，TOR Erzeuger，R25: 2019，EN 300 220-1/-2，EN300328,EN301489-1/-3/-17，EN62311，C10/11，PN-EN50549-1: 2019．NC-RfG．ORDINANCE 140 2022	
Protections		
DC reverse polarity protection	Yes	
Insulation monitoring	Yes	
DC surge protection	Yes	
Residual current monitoring	Yes	
DC overcurrent protection	Yes	
DC short-circuit protection	Yes	
DC overvoltage protection	Yes	
Temperature protection	Yes	

＊1 The output power may vary with the output voltage.
＊2 Refer to local requirements for exact number of microinverters per branch.
＊3 Nominal voltage/frequency range can vary depending on local requirements.
＊4 VaySunic Monitoring System.

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