

EUREKA IH050B1-B100B1

-  Safe & Reliable
-  Quick installation & User-friendly
-  Economical & Efficient



Outdoor Battery Cabinet Parameters

Technical Parameters	B100B1
Battery Type	LFP
Battery Module Capacity	5.12kWh
Number of Modules	10*2
Total Battery Capacity	102.4kWh
Nominal Voltage	512V
Operating Voltage Range	456 V~576 V
Charge / Discharge Rate	Max. 0.5C
DoD	90%

General Parameters	B100B1
Dimensions(WxHxD)	1100x2380x1100mm
Weight	<1.45T
Installation Site	Outdoor
IP Protection	IP54
Anti Corrosion Level	C4
Operation Humidity	5%-95%(No Condensing)
Operation Temperature	-30°C~+50°C
Max. Operation Aitiude	3000m
Communication Port	Ethernet;CAN
Communication Protocol	CAN;MODBUSTCP/IP
Cooling Method	Air Conditioner
Certificates	EN IEC 62040-1; EN 62477-1; IEC 62619; IEC 63056; EN IEC 61000-6-2;EN IEC 61000-6-4

Hybrid Inverter Parameters

Product Specifications	IH050B1
PV Side	
Max. Input Voltage	1000V
MPPT Voltage Range	350V-800V
Max. current per MPPT	36A
Number of MPPT	3
Number of Inputs Per MPPT	2
Battery Side	
Max. Input Voltage	750V
Min. Input Voltage	350V
DC Voltade at Nominal Operation	550V~750V
Max. DC Current	55A*2
Max. DC Input Power	55kW
Number of DC Inputs	2
AC Side (ON Grid)	
Nominal AC Output Power	50kW
Max. AC Output Power	55kVA
Max. AC Current	80A
Nominal AC Voltage	400V
AC Voltage Range	340V-440V
Nominal Grid Frequency/Frequency Range	50/60Hz ± 5Hz
THDv	<3% (100% Load)
Adjustable PF Range	-1(Lagging)~1(Leading)
AC Side (Off Grid)¹⁾	
Nominal AC Voltage	400V
THDv	<3% (Linear Load)
Nominal Grid Frequency/Frequency Range	50/60Hz
Nominal AC Output Power	50kW
Max. AC Output Power	55kVA
Efficiency	
Max. Efficiency	97.5%
Protection	
Reverse Connection Protection	Yes
DC Switch	Yes
Over-Temperature Protection	Yes
Grid Monitoring/Earthing Fault Detection	Yes
Insulation Monitoring	Yes
DC/AC Surge Protection	DC Type II; AC Type III
General Parameters	
Dimensions(W×H×D)	650×715×325mm
Weight	76kg
Topology	Transformerless
IP Protection	IP65
Operation Temperature Range	-25~60 °C(>45 °C Derating)
Operation Humidity Range	0~100% (No Condensing)
Cooling Method	Intelligent Air Cooling
Max. Operation Altitude	3000m
Communication Port	RS-485 / CAN
Certificates	EN IEC 62109-1/2; IEC EN 62477-1; EN IEC 61000-6-2/4; EN IEC 61000-3-11; EN 61000-3-12; IEC 60068-2-1/2/14/30/52; IEC 61683; IEC 61727; IEC 62116; IEC 60529; EN 50549-1; VDE-AR-N 4105

1)For off-grid application, automatic switching cabinet is needed.

Above the content shows that our company has the final right of interpretation

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