

HV48100



Features



Safety-oriented

LFP Chemistry, Grade A Cells & Field-Proven Modular BMS Built-In



Powerful

High Power Output, Suitable for Quick Burst Energy Required Applications



Scalable & Flexible

On-demand Configurations, Ideal for Residential, Commercial & Industrial Use



Compatibility

Field Integrated Solutions, Flexibility in Module Voltage Meets Leading Inverters



High Energy Efficiency

Higher Energy Density & Lower Resistive Losses



Smart

Remote Upgrading & Monitoring

HV48100 Specs

HV48100 BCU

Controller Working Voltage	200V~870V
Self-consumption Power	7.56W
Dimensions (W*D*H)	484*510*140 mm / 19.1*20.1*5.5 inch
Weight	13.3 kg / 29.3 lbs
Communication	CAN, RS485, Dry Contact, WiFi

HV48100 BMU

Cell Type	LFP
Nominal Energy	5.12kWh
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Continuous Discharging/Charging Current	50A _{dc}
Voltage Range	45.5~58V
Depth of Discharge	80%
Dimensions (W*D*H)	484*530*140 mm / 19.1*20.9*5.5 inch
Weight	43 kg / 94.8 lbs
Communication	CAN, RS485
Cycle Life	≥6000 cycles
Operation Temperature	-20°C~60°C / -4°F~140°F
Storage Temperature	-30°C~60°C / -22°F~140°F

HV48100 System

System Energy	5.12kWh*n
System Voltage	51.2V*n
System Capacity	100Ah
Battery System Charge Upper-Voltage	58V*n
Battery System Discharge lower-Voltage	45.5V*n
Continuous Discharging/ Charging Current	50A _{dc}
BCU Model	HV48100 BCU
BMU Model	HV48100 BMU
BMU Qty. (Optional)	5~15
Depth of Discharge	80%
Dimensions (W*D*H)	600 * 640 * 1555 mm / 23.6 * 25.2 * 61.2 inch
Weight	89.6 kg + 13.3 kg + 43 kg*n / 197.5 lbs + 29.3 lbs + 94.8 lbs*n
Communication	CAN, RS485, Dry Contact, WiFi
Cycle Life	≥6000 cycles
Operation Temperature	-20°C~60°C / -4°F~140°F
Storage Temperature	-30°C~60°C / -22°F~140°F
Operation Humidity	0~95%, No Condensation
Protection level	IP20

Certifications

CE, IEC62619, UL1973, UN38.3, (TBD: UL9540, UL9540A)

Compatibility List of PYTES ESS and Inverters



Pytes

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Installation Guide
Video



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