

2.2.1 The parameter of system

Product Type	Force-H2		
Cell Technology	Li-iron (LFP)		
Battery System Capacity(kWh)	7.10	10.65	14.20
Battery System Voltage(Vdc)	192	288	384
Battery System Capacity(AH)	37Ah		
Battery Controller Name	FC0500M-40S		
Battery Module Name	FH9637M		
Battery Module Quantity(pcs)	2	3	4
Battery Module Capacity(kWh)	3.552		
Battery Module Voltage(Vdc)	96		
Battery Module Capacity(AH)	37		
Battery System Charge Upper Voltage(Vdc)	216	324	432
Battery System Charge Current(Amps, Standard)	7.4		
Battery System Charge Current(Amps, Normal)	18.5		
Battery System Charge Current(Amps, Max.@ 15s)	40		
Battery System Discharge Lower Voltage(Vdc)	174	261	348
Battery System Discharge Current(Amps, Standard)	7.4		
Battery System Discharge Current(Amps, Normal)	18.5		
Battery System Discharge Current(Amps, Max.@ 15s)	40		
Short circuit rating(Amps)	<4000		
Efficiency(%)	96		
Depth of Discharge(%)	95		
Dimension(W*D*H, mm)	450*296*822	450*296*1118	450*296*1414
Communication	CANBUS/Modbus RTU		
Protection Class	IP55		
Weight(kg)	82	117	152
Operation Life(Years)	15+		
Operation Temperature(°C)	0~50°C		
Storage Temperature(°C)	-20~60°C		
Altitude(m)	<2000		
Humidity	5~95%		
Product Certificate	VDE2510-50, IEC62619, IEC62477-1, IEC62040-1, CEC, CE		
Transfer Certificate	UN38.3		
1) Battery Controller Dimensions(W*D*H)	450×296×190 mm		
2) Battery Module Dimensions (W*D*H)	450×296×296mm		
3) Battery bottom base Dimensions(W*D*H)	450×296×40 mm		

2.2.2 Battery Module (FH48074)



Product Type	FH9637M
Cell Technology	Li-ion (LFP)
Battery Module Capacity (kWh)	3.552
Battery Module Voltage (Vdc)	96
Battery Module Capacity (Ah)	37
Battery Module Serial Cell Quantity (pcs)	30
Battery Cell Voltage (Vdc)	3.2
Battery Cell Capacity (AH)	37
Dimension (W*D*H, mm)	450*296*296
Weight (kg)	35
Operation Life	15+Years
Operation Cycle Life	5,000
Operation Temperature	0~50°C
Storage Temperature	-20~60°C
Transfer Certificate	UN38.3

2.2.3 Control Module FC0500M-40 (internal power supply)



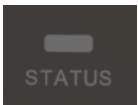
Control Module (FC0500-40) Display Panel



LED Button

	Short Press	Display the LED panel for 20sec.
	Long Press (more than 5sec)	When status LED fast flashes blue ●, loss the button, then it is 115200 baud rate of RS485.
		When status LED fast flashes orange ●, loss the button, then it is 9600 baud rate of RS485.

Status



2 colors, Blue and orange
Refer to [LED Indicators Instructions]

Force-H2



Maximum Scalability



Flexible Mounting



Plug & Play



Remote Maintenance



Module

Battery Module		FH9637M			
Nominal Voltage (VDC)		96			
Battery Module Capacity (kWh)		3.55			
Battery System Capacity (kWh)		7.1	10.65	14.21	17.76
Usable Capacity (kWh)		6.75	10.12	13.5	16.78
Battery System Voltage(VDC)		192	288	384	480
Dimension (W*D*H mm)		450*296*822	450*296*1118	450*296*1414	450*296*1710
Weight (kg)		82	117.5	152	188.5
Depth of Discharge		95%			
Charge/ Discharge (A)	(Normal)	18.5			
	(Max)	42@15S			
Communication port		Modbus RTU/CAN			
Multi-group		Max. 6 groups in parallel			
IP rating		IP55			
Working Temperature/ (°C) Charge		0~55			
Storage Temperature/ (°C)		-20~45			
Humidity (RH)		5%-95% No Condensation			
Altitude (m)		<2000			
Design life (@25°C)		15+ Years			
Cycle life (@25°C)		>8,000			
Certification		CE/CEC/IEC62040-1/IEC62619/IEC63056/VDE-AR-E 2510-50			