HIGH-VOLTAGE
RESIDENTIAL ESS

High Efficiency
Reduces energy loss, perfect for long-distance transmission and heavy-duty applications .

Advanced Safety
Higher standards fulfilled for safely managing high energy outputs .

Safe and Reliable
Long life-cycle guaranteed & Optimal ROI .

Intelligent Control
AI- Driven algorithm supports better return and longer life span .



GREEN, EFFICIENT AND SMART

Force-H1

Maximum Scalability

Flexible Mounting

Plug & Play

Remote Maintenance



Module	2	3	4	5	6	7
Battery Module	FH48074					
Battery Module Voltage (VDC)	48					
Battery Module Capacity (kWh)	3.55					
Battery Module Qty.	2	3	4	5	6	7
Battery System Voltage (V)	96	144	192	240	288	336
Battery System Capacity (kWh)	7.1	10.65	14.21	17.76	21.31	24.86
Usable capacity (kWh)	6.75	10.12	13.50	16.87	20.24	23.62
Dimension (W*D*H mm)	600*380*530	600*380*700	600*380*870	600*380*1040	600*380*1210	600*380*1380
Weight (kg)	86	122	158	194	230	266
Depth of Discharge	95%					
Charge/ Discharge (A) (Normal)	37					
Charge/ Discharge (A) (Max)	42 @15S					
Multi-group	Max. 6 groups in parallel					
Communication	Modbus RTU/CAN					
IP rating	IP55					
Working Temperature/ (℃)	0-50					
Storage Temperature/ (℃)	-20-60					
Humidity (RH)	5%-95% No Condensation					
Altitude (m)	<2000					
Design Life (@25℃)	15+ Years					
Cycle Life (@25℃)	>8,000					
Certification	UL1973/VDE2510-50/IEC62619/IEC62477/ IEC62040-1/CE/UN38.3					

Force-H2

Maximum Scalability

Flexible Mounting

Plug & Play

Remote Maintenance



Module

	2	3	4	5
Battery Module	FH9637M			
Battery Module Voltage (VDC)	96			
Battery Module Capacity (kWh)	3.55			
Battery Module Qty	2	3	4	5
Battery System Voltage (V)	192	288	384	480
Battery System Capacity (kWh)	7.1	10.65	14.21	17.76
Usable Capacity (kWh)	6.75	10.12	13.50	16.87
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			
Charge/ Discharge (A) (Max)	42 @15s			
Multi-group	Max. 6 groups in parallel			
Communication	Modbus RTU/CAN			
IP rating	IP55			
Working Temperature/ (℃)	0-50			
Storage Temperature/ (℃)	-20-60			
Humidity (RH)	5%-95% No Condensation			
Altitude (m)	<2000			
Design Life (@25℃)	15+ Years			
Cycle Life (@25℃)	>8,000			
Certification	VDE-AR-E 2510-50/ IEC62619/IEC63056/IEC62040-1/CEC/CE			

Force-H3

Maximum Scalability

Flexible & Easy Installation

Higher Density & Efficiency

Remote Maintenance



Module	2	3	4	5	6	7

Battery Module				FH10050			
Battery Module Voltage (VDC)				102.4			
Battery Module Capacity (kWh)				5.12			
Battery Module Qty		2	3	4	5	6	7
Battery System Voltage (V)		204.8	307.2	409.6	512.0	614.4	716.8
Battery System Capacity (kWh)		10.24	15.36	20.48	25.60	30.72	35.84
Usable Capacity (kWh)		9.69	14.73	19.48	24.32	29.17	34.01
Dimension (W*D*H mm)		540*350*530	540*350*700	540*350*870	540*350*1040	540*350*1210	540*350*1380
Weight (kg)		92	131	170	209	248	287
Depth of Discharge				95%			
Charge/ Discharge (A)	(Normal)			50			
	(Max)			55 @15min			
Multi-group				Max. 6 groups in parallel			
Communication				Modbus RTU/CAN			
IP rating				IP55			
Working Temperature/ ℃				-10-50			
Storage Temperature/ ℃				-20-60			
Humidity (RH)				5%-95% No Condensation			
Altitude (m)				<4000			
Design Life (@25℃)				15+ Years			
Cycle Life (@25℃)				>8,000			
Certification				UL9540A/UL1973/IEC62619/IEC63056/IEC62040-1/VDE-AR-E 2510-50/IEC62477-1/UN38.3			