

# 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 .



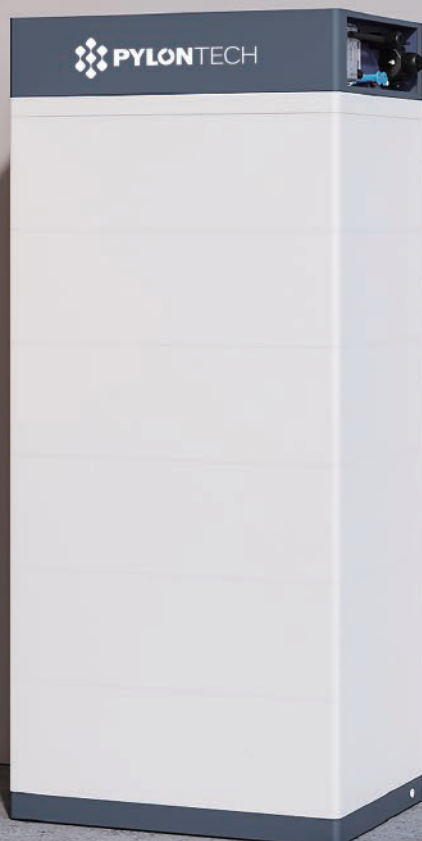
## Safe and Reliable

Long life-cycle guaranteed & Optimal ROI .



## Intelligent Control

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



**GREEN,  
EFFICIENT  
AND SMART**

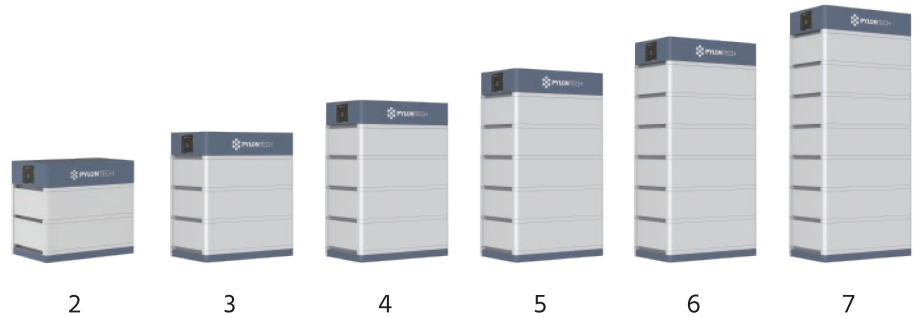
# Force-H1

 **Maximum Scalability**

 **Flexible Mounting**

 **Plug & Play**

 **Remote Maintenance**



## Module

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				
	(Max)	42 @15S				
Multi-group	Max. 6 groups in parallel					
Communication	Modbus RTU/CAN					
IP rating	IP55					
Working Temperature/ (°C)	0-50					
Storage Temperature/ (°C)	-20-60					
Humidity (RH)	5%-95% No Condensation					
Altitude (m)	<2000					
Design Life (@25°C)	15+ Years					
Cycle Life (@25°C)	>8,000					
Certification	UL1973/VDE2510-50/IEC62619/IEC62477/ IEC62040-1/CE/UN38.3					

# Force-H2

 **Maximum Scalability**

 **Flexible Mounting**

 **Plug & Play**

 **Remote Maintenance**



## Module

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		
	(Max)	42 @15s		
Multi-group	Max. 6 groups in parallel			
Communication	Modbus RTU/CAN			
IP rating	IP55			
Working Temperature/ (°C)	0-50			
Storage Temperature/ (°C)	-20-60			
Humidity (RH)	5%-95% No Condensation			
Altitude (m)	<2000			
Design Life (@25°C)	15+ Years			
Cycle Life (@25°C)	>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)	50 (Normal) 55 @15min (Max)					
Multi-group	Max. 6 groups in parallel					
Communication	Modbus RTU/CAN					
IP rating	IP55					
Working Temperature/ °C	-10-50					
Storage Temperature/ °C	-20-60					
Humidity (RH)	5%-95% No Condensation					
Altitude (m)	<4000					
Design Life (@25°C)	15+ Years					
Cycle Life (@25°C)	>8,000					
Certification	UL9540A/UL1973/IEC62619/IEC63056/IEC62040-1/VDE-AR-E 2510-50/IEC62477-1/UN38.3					