Residential BESS

-Force L Series

-Force H series

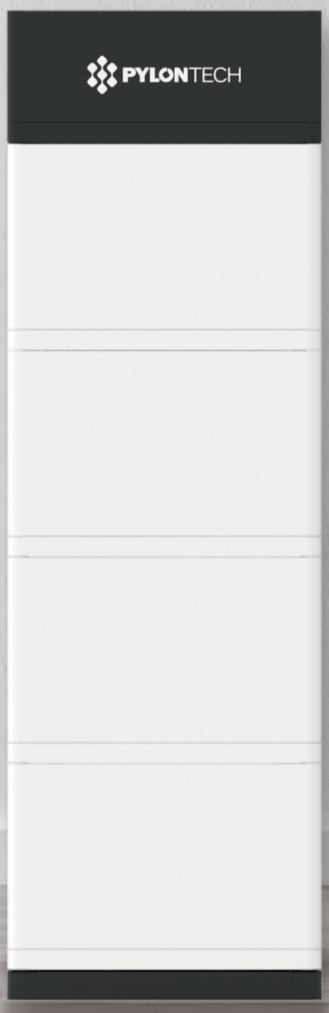
Safety and Reliablity
Ensured by own designed and manufactured cell, modules and BMS

Optimal Electricity Cost
Long cycle life and superior performance

Strong Scalability
Maximum capacity of 215.04 kWh with 6 groups in parallel

Flexible Mounting
Plug&Play, no additional wiring connection

Compatibility
Compatible with Top inverter brands



SPECIFICATION (Force H3/204.8~716.8 V)

2 3 4 5 6 7

Basic Parameters							
Battery Module	FH10050						
Battery Module Voltage(Vdc)	102.4						
Battery Module Capacity(Ah)	50						
Battery Module Qty. (Optional)	2	3	4	5	6	7	
Battery System Voltage (V)	204.8	307.2	409.6	512	614.4	716.8	
Battery System Capacity(Ah)	50						
Battery System Capacity(kWh)	10.2	15.4	20.5	25.6	30.7	35.8	
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 Current(A)	(Recommend)	50					
	(Max.)	52					
Multi-group	Max. 6 systems in parallel						
Communication	CANBUS/Modbus RTU						
IP rating	IP55						
Working Temperature/ ℃	-10~50						
Shelf Temperature/ ℃	-20~60						
Humidity	5%~95%(w/o condensing)						
Altitude	<4000						
Design Life	15+ Years (25 ℃/77 ℉)						
Cycle Life	>8,000, 25 ℃						
Certification	UL9540A/UL1973/IEC62619/IEC63056/IEC62040-1/VDE-AR-E 2510-50/IEC62477-1/UN38.3						

PY240611EN-SD

PYLONTECH

Next Level Residential Energy Solution

Force H3X

Hybrid Solution

On-Demand Versatility

One-Stop Solution & Effortless Installation

Trustworthy Safety Desgin

Extraordinary Performance

Intelligent Solutions

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PYLONTECH

From Heart to Your Home

On-Demand Versatility

Single Phase/ Three Phase

Wide power range
3.6 kW to **15** kW

Single group
10-35 kWh

Max. 6 groups
210 kWh

Suitable for both residential and small-scale C&I

One-Stop Solution & Effortless Installation

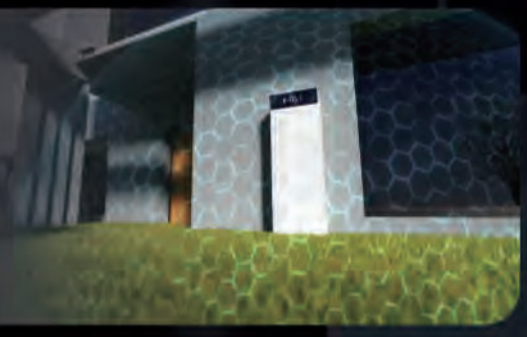
BMS+Inverter+EMS Highly intergrated

15 min Installation & commissioning

Automatic paralleling, easy set-up

Trustworthy Safety Desgin

- Vertical integrated manufacturing
- Reliable product safety design
- Ai-driven smart protection
- Various safety certifications, unit level **UL9540A**



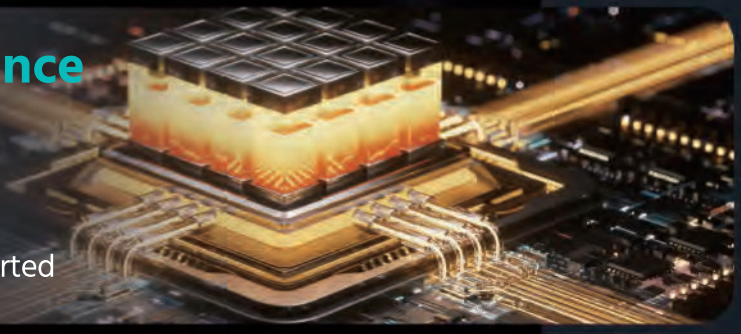
Extraordinary Performance

1 C
Rate

97%
Efficiency

8000+
Life cycles

100% three phase load unbalance Supported



Intelligent Solutions

- **Dynamic control:** Optimized energy usage strategy
- Fault diagnosis system
- Remote control of pv and heat pump

*Product specifications are subject to specific conditions. Please reach out to Pylontech's technical service for further details.

HY-1P-EU

Force H3X Hybrid

Single Phase

Module	FH3X3.6K-HY-1P EU-5/10/15/20	FH3X5K-HY-1P EU-5/10/15/20	FH3X6K-HY-1P EU-5/10/15/20	FH3X8K-HY-1P EU-5/10/15/20
Main System Data				
Battery Module	FH10050			
Number of Battery Modules	1/2/3/4			
Maximum PV Power (kW)	9.6	9.6	9.6	9.6
System Rated Capacity (kWh)	5.12/10.24/15.36/20.48			
Nominal Power (kW)	3.6	5	6	8
IP Rate	IP55			
Inverter Data				
DC Input (From PV) — Maximum Power (kW)	9.6	9.6	9.6	12.8
DC Input (From PV) — Maxinum DC Input Voltage (Vdc)	600			
DC Input (From PV) — Start Up Voltage (Vdc)	80			
DC Input (From PV) — Number of MPPT	2	2	2	3
DC Input (From PV) — Number of PV Strings Per MPPT	1			
DC Input (From PV) — MPPT Voltage Range (Vdc)	80~550			
DC Input (From PV) — MPPT Full Load Voltage Range (Vdc)	190~520			
DC Input (From PV) — Maximum Current (A)	16			
DC Input (From PV) — Short Circuit Current Per MPPT (A)	25			
DC Input (From PV) — Surge Protection	Type II			
On-Grid — Nominal AC Voltage/Frequency (Vac)	230@50/60Hz			
On-Grid — Grid Voltage Range (Vac)	172.5~264.5			
On-Grid — Grid Connection	L/N/PE			
On-Grid — Nominal AC Power (kW)	3.6	5	6	8
On-Grid — Maximum Grid Input Power (kW)	5.7	7.5	9.6	12
Off-Grid — Rated Output Voltage (Vac)	230±1%			
Off-Grid — ON/Off-Grid Switching Time (ms)	≤10			
Off-Grid — Rated Off-Grid Power (kVA)	3.6	5	6	8
Off-Grid — Peak Off-Grid Power (60s)/Estimate (kVA)	4.32	6	7.2	9.6
Off-Grid — Maximum Parallel	6			
Efficiency — Maximum Efficiency	(400V PV) 97%			
Efficiency — European Efficiency	97%			
General Data				
System Battery Voltage (Vdc)	100~500			
Maximum Charge and Discharge Current (A)	40	50	50	50
System Dimensions (Width*Depth*Height, mm)	540*350*(565/735/905/1075)			
System Weight (kg)	69/108/147/186			
System Installation Method	Floor Installation (Wall-Mounted Optional for 5/10/15 Series)			
System Operating Temperature Range (°C)	-10~55			
System Working Humidity Range	0~95%			
System Salt Spray Level	C5M			
System Working Altitude (m)	≤3000			
Common Noise Level (@ 1 meter *In Nominal Condition, dB)	<29			
Cooling	Air Cooling			
Communication Portal	WIFI/WLAN/Bluetooth			
EPO	Installed			
AFCI	2.0@IEC 63027			
Battery Data				
Battery Module	FH10050			
Battery Module Capacity (kWh)	5.12			
Depth of Discharge	95%			
Charge/Discharge — Standard (A)	10			
Charge/Discharge — Normal (A)	50			
Charge/Discharge — MAX (A)	55@15min			
Cycle Life (@25°C)	>8000			
Muti-Group	Max.6 Systems in Parrallel			

Standard Compliance

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/IEC62109-2: 2011

VDE-AR-N-4105: 2018/DIN VDE V 0124-100: 2020/EN50549-10/EN50549-1/PPDS Annex: 2022+EN50549-10/C10/11+EN50549-10/EIFS+EN50549-10/CEI0-21/RD1699 RD661 RD413/UNE 217002: 2020/NTS Version 2.1: 2021/UNE 217001: 2021/AS 4777. 2/AS60947. 3/G98/G99/TOR

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HY-3P-EU

Force H3X Hybrid

Three Phase

Module

		FH3X8K-HY-3P EU-10/15/20/25/30/35	FH3X10K-HY-3P EU-10/15/20/25/30/35	FH3X12K-HY-3P EU-10/15/20/25/30/35	FH3X15K-HY-3P EU-10/15/20/25/30/35
Main System Data					
Battery Module			FH10050		
Number of Battery Modules			2/3/4/5/6/7		
Maximum PV Power (kW)			24		
System Rated Capacity (kWh)			10.24/15.36/20.48/25.6/30.72/35.84		
Nominal Power (kW)		8	10	12	15
IP Rate			IP55		
Inverter Data					
DC Input (From PV)	Maximum Power (kW)		24		
	Maxinum DC Input Voltage (Vdc)		1000		
	Start Up Voltage (Vdc)		200		
	Number of MPPT		3		
	Number of PV Strings Per MPPT		1		
	MPPT Voltage Range (Vdc)		200~850		
	MPPT Full Load Voltage Range (Vdc)		280~850		
	Maximum Current (A)		20		
	Short Circuit Current Per MPPT (A)		30		
	Surge Protection		Type II		
On-Grid	Nominal AC Voltage/Frequency (Vac)		400@50/60Hz		
	Grid Voltage Range (Vac)		320~480		
	Grid Connection		3W/N/PE		
	Nominal AC Power (kW)	8	10	12	15
	Maximum Grid Input Power (kW)	12	15	18	22.5
Off-Grid	Rated Output Voltage (Vac)		400		
	ON/Off-Grid Switching Time (ms)		≤10		
	Rated Off-Grid Power (kVA)	8	10	12	15
	Peak Off-Grid Power (60s)/Estimate (kVA)	9.6	12	14.4	18
	Maximum Parallel		6		
Efficiency	Maximum Efficiency		(600V PV) 97%		
	European Efficiency		97%		
General Data					
System Battery Voltage (Vdc)			120~850		
Maximum Charge and Discharge Current (A)		40	50	50	50
System Dimensions (Width*Depth*Height, mm)			540*350*(780/950/1120/1290/1460/1630)		
System Weight (kg)			118/157/196/235/274/313		
System Installation Method			Floor Installation (Wall-Mounted Optional for 5/10/15 Series)		
System Operating Temperature Range (°C)			-10~55		
System Working Humidity Range			0~95%		
System Salt Spray Level			C5M		
System Working Altitude (m)			≤3000		
Common Noise Level (@ 1 meter *In Nominal Condition, dB)			<29		
Cooling			Air Cooling		
Communication Portal			WIFI/WLAN/Bluetooth		
EPO			Installed		
AFCI			2.0@IEC 63027		
Battery Data					
Battery Module			FH10050		
Battery Module Capacity (kWh)			5.12		
Depth of Discharge			95%		
Charge/ Discharge	Standard (A)		10		
	Normal (A)		50		
	MAX (A)		55@15min		
Cycle Life (@25°C)			>8000		
Muti-Group			Max.6 Systems in Parrallel		

Standard Compliance

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/IEC62109-2: 2011

VDE-AR-N-4105: 2018/DIN VDE V 0124-100: 2020/EN50549-10/EN50549-1/PPDS Annex: 2022+EN50549-10/C10/11+EN50549-10/EIFS+EN50549-10/ CEI0-21/RD1699 RD661 RD413/UNE 217002:2020/NTS Version 2.1: 2021/UNE 217001: 2021/AS 4777. 2/AS60947. 3/G98/G99/TOR/ PTPiREE/NA-EEA-NE7-CH 2020/

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PY240611EN-SD

PYLONTECH

Next Level Residential Energy Solution

Force H3X

Hybrid Solution

On-Demand Versatility

One-Stop Solution & Effortless Installation

Trustworthy Safety Desgin

Extraordinary Performance

Intelligent Solutions

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PYLONTECH

From Heart to Your Home

On-Demand Versatility

Single Phase/ Three Phase

Wide power range
3.6 kW to **15** kW

Single group
10-35 kWh

Max. 6 groups
210 kWh

Suitable for both residential and small-scale C&I

One-Stop Solution & Effortless Installation

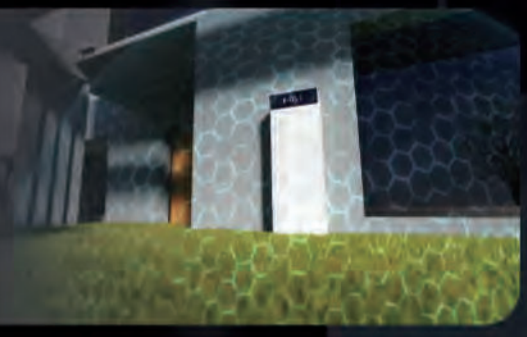
BMS+Inverter+EMS Highly intergrated

15 min Installation & commissioning

Automatic paralleling, easy set-up

Trustworthy Safety Desgin

- Vertical integrated manufacturing
- Reliable product safety design
- Ai-driven smart protection
- Various safety certifications, unit level **UL9540A**



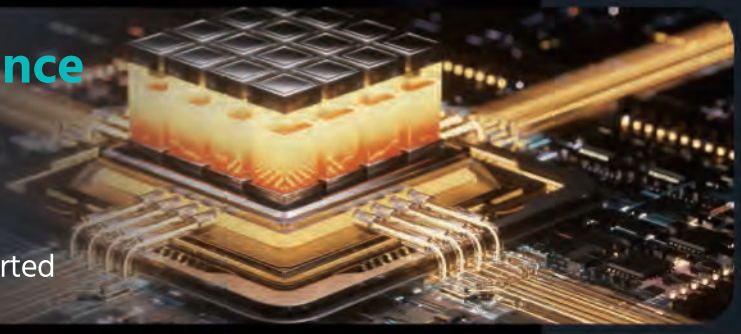
Extraordinary Performance

1 C
Rate

97%
Efficiency

8000+
Life cycles

100% three phase load unbalance Supported



Intelligent Solutions

- **Dynamic control:** Optimized energy usage strategy
- Fault diagnosis system
- Remote control of pv and heat pump

*Product specifications are subject to specific conditions. Please reach out to Pylontech's technical service for further details.

HY-1P-EU

Force H3X Hybrid

Single Phase

Module	FH3X3.6K-HY-1P EU-5/10/15/20	FH3X5K-HY-1P EU-5/10/15/20	FH3X6K-HY-1P EU-5/10/15/20	FH3X8K-HY-1P EU-5/10/15/20
Main System Data				
Battery Module	FH10050			
Number of Battery Modules	1/2/3/4			
Maximum PV Power (kW)	9.6	9.6	9.6	9.6
System Rated Capacity (kWh)	5.12/10.24/15.36/20.48			
Nominal Power (kW)	3.6	5	6	8
IP Rate	IP55			
Inverter Data				
DC Input (From PV) — Maximum Power (kW)	9.6	9.6	9.6	12.8
DC Input (From PV) — Maxinum DC Input Voltage (Vdc)	600			
DC Input (From PV) — Start Up Voltage (Vdc)	80			
DC Input (From PV) — Number of MPPT	2	2	2	3
DC Input (From PV) — Number of PV Strings Per MPPT	1			
DC Input (From PV) — MPPT Voltage Range (Vdc)	80~550			
DC Input (From PV) — MPPT Full Load Voltage Range (Vdc)	190~520			
DC Input (From PV) — Maximum Current (A)	16			
DC Input (From PV) — Short Circuit Current Per MPPT (A)	25			
DC Input (From PV) — Surge Protection	Type II			
On-Grid — Nominal AC Voltage/Frequency (Vac)	230@50/60Hz			
On-Grid — Grid Voltage Range (Vac)	172.5~264.5			
On-Grid — Grid Connection	L/N/PE			
On-Grid — Nominal AC Power (kW)	3.6	5	6	8
On-Grid — Maximum Grid Input Power (kW)	5.7	7.5	9.6	12
Off-Grid — Rated Output Voltage (Vac)	230±1%			
Off-Grid — ON/Off-Grid Switching Time (ms)	≤10			
Off-Grid — Rated Off-Grid Power (kVA)	3.6	5	6	8
Off-Grid — Peak Off-Grid Power (60s)/Estimate (kVA)	4.32	6	7.2	9.6
Off-Grid — Maximum Parallel	6			
Efficiency — Maximum Efficiency	(400V PV) 97%			
Efficiency — European Efficiency	97%			
General Data				
System Battery Voltage (Vdc)	100~500			
Maximum Charge and Discharge Current (A)	40	50	50	50
System Dimensions (Width*Depth*Height, mm)	540*350*(565/735/905/1075)			
System Weight (kg)	69/108/147/186			
System Installation Method	Floor Installation (Wall-Mounted Optional for 5/10/15 Series)			
System Operating Temperature Range (°C)	-10~55			
System Working Humidity Range	0~95%			
System Salt Spray Level	C5M			
System Working Altitude (m)	≤3000			
Common Noise Level (@ 1 meter *In Nominal Condition, dB)	<29			
Cooling	Air Cooling			
Communication Portal	WIFI/WLAN/Bluetooth			
EPO	Installed			
AFCI	2.0@IEC 63027			
Battery Data				
Battery Module	FH10050			
Battery Module Capacity (kWh)	5.12			
Depth of Discharge	95%			
Charge/Discharge — Standard (A)	10			
Charge/Discharge — Normal (A)	50			
Charge/Discharge — MAX (A)	55@15min			
Cycle Life (@25°C)	>8000			
Muti-Group	Max.6 Systems in Parrallel			

Standard Compliance

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/IEC62109-2: 2011

VDE-AR-N-4105: 2018/DIN VDE V 0124-100: 2020/EN50549-10/EN50549-1/PPDS Annex: 2022+EN50549-10/C10/11+EN50549-10/EIFS+EN50549-10/CEI0-21/RD1699 RD661 RD413/UNE 217002: 2020/NTS Version 2.1: 2021/UNE 217001: 2021/AS 4777. 2/AS60947. 3/G98/G99/TOR

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HY-3P-EU

Force H3X Hybrid

Three Phase

Module

		FH3X8K-HY-3P EU-10/15/20/25/30/35	FH3X10K-HY-3P EU-10/15/20/25/30/35	FH3X12K-HY-3P EU-10/15/20/25/30/35	FH3X15K-HY-3P EU-10/15/20/25/30/35
Main System Data					
Battery Module			FH10050		
Number of Battery Modules			2/3/4/5/6/7		
Maximum PV Power (kW)			24		
System Rated Capacity (kWh)			10.24/15.36/20.48/25.6/30.72/35.84		
Nominal Power (kW)		8	10	12	15
IP Rate			IP55		
Inverter Data					
DC Input (From PV)	Maximum Power (kW)		24		
	Maxinum DC Input Voltage (Vdc)		1000		
	Start Up Voltage (Vdc)		200		
	Number of MPPT		3		
	Number of PV Strings Per MPPT		1		
	MPPT Voltage Range (Vdc)		200~850		
	MPPT Full Load Voltage Range (Vdc)		280~850		
	Maximum Current (A)		20		
	Short Circuit Current Per MPPT (A)		30		
	Surge Protection		Type II		
On-Grid	Nominal AC Voltage/Frequency (Vac)		400@50/60Hz		
	Grid Voltage Range (Vac)		320~480		
	Grid Connection		3W/N/PE		
	Nominal AC Power (kW)	8	10	12	15
	Maximum Grid Input Power (kW)	12	15	18	22.5
Off-Grid	Rated Output Voltage (Vac)		400		
	ON/Off-Grid Switching Time (ms)		≤10		
	Rated Off-Grid Power (kVA)	8	10	12	15
	Peak Off-Grid Power (60s)/Estimate (kVA)	9.6	12	14.4	18
	Maximum Parallel		6		
Efficiency	Maximum Efficiency		(600V PV) 97%		
	European Efficiency		97%		
General Data					
System Battery Voltage (Vdc)			120~850		
Maximum Charge and Discharge Current (A)		40	50	50	50
System Dimensions (Width*Depth*Height, mm)			540*350*(780/950/1120/1290/1460/1630)		
System Weight (kg)			118/157/196/235/274/313		
System Installation Method			Floor Installation (Wall-Mounted Optional for 5/10/15 Series)		
System Operating Temperature Range (°C)			-10~55		
System Working Humidity Range			0~95%		
System Salt Spray Level			C5M		
System Working Altitude (m)			≤3000		
Common Noise Level (@ 1 meter *In Nominal Condition, dB)			<29		
Cooling			Air Cooling		
Communication Portal			WIFI/WLAN/Bluetooth		
EPO			Installed		
AFCI			2.0@IEC 63027		
Battery Data					
Battery Module			FH10050		
Battery Module Capacity (kWh)			5.12		
Depth of Discharge			95%		
Charge/ Discharge	Standard (A)		10		
	Normal (A)		50		
	MAX (A)		55@15min		
Cycle Life (@25°C)			>8000		
Muti-Group			Max.6 Systems in Parrallel		

Standard Compliance

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/IEC62109-2: 2011

VDE-AR-N-4105: 2018/DIN VDE V 0124-100: 2020/EN50549-10/EN50549-1/PPDS Annex: 2022+EN50549-10/C10/11+EN50549-10/EIFS+EN50549-10/ CEI0-21/RD1699 RD661 RD413/UNE 217002:2020/NTS Version 2.1: 2021/UNE 217001: 2021/AS 4777. 2/AS60947. 3/G98/G99/TOR/ PTPiREE/NA-EEA-NE7-CH 2020/

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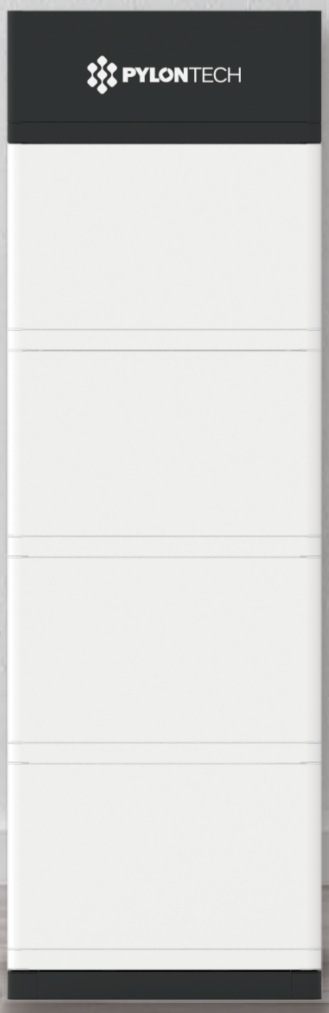

SPECIFICATION (Force H3/204.8~716.8 V)

2 3 4 5 6 7

Basic Parameters							
Battery Module	FH10050						
Battery Module Voltage(Vdc)	102.4						
Battery Module Capacity(Ah)	50						
Battery Module Qty. (Optional)	2	3	4	5	6	7	
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Battery System Capacity(Ah)	50						
Battery System Capacity(kWh)	10.2	15.4	20.5	25.6	30.7	35.8	
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 Current(A)	(Recommend)	50					
	(Max.)	52					
Multi-group	Max. 6 systems in parallel						
Communication	CANBUS/Modbus RTU						
IP rating	IP55						
Working Temperature/ ℃	-10~50						
Shelf Temperature/ ℃	-20~60						
Humidity	5%~95%(w/o condensing)						
Altitude	<4000						
Design Life	15+ Years (25 ℃/77 ℉)						
Cycle Life	>8,000, 25 ℃						
Certification	UL9540A/UL1973/IEC62619/IEC63056/IEC62040-1/VDE-AR-E 2510-50/IEC62477-1/UN38.3						

PY240611EN-SD

PYLONTECH

Next Level Residential Energy Solution

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Hybrid Solution

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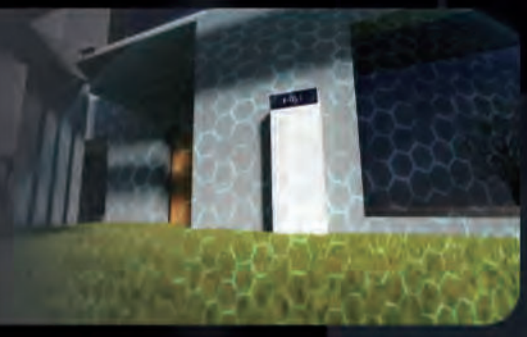
- Vertical integrated manufacturing
- Reliable product safety design
- Ai-driven smart protection
- Various safety certifications, unit level **UL9540A**



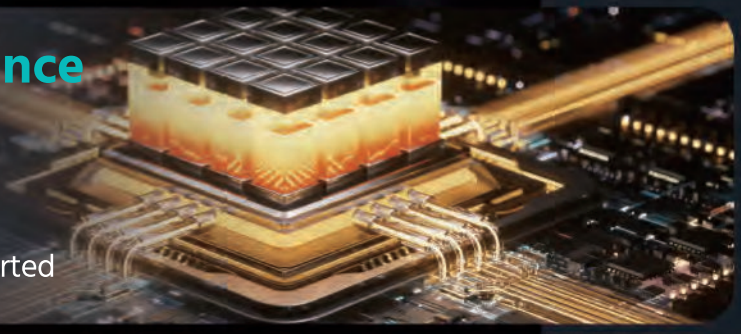
Extraordinary Performance

1 C
Rate

97%
Efficiency

8000+
Life cycles

100% three phase load unbalance Supported



Intelligent Solutions

- **Dynamic control:** Optimized energy usage strategy
- Fault diagnosis system
- Remote control of pv and heat pump

*Product specifications are subject to specific conditions. Please reach out to Pylontech's technical service for further details.

HY-1P-EU

Force H3X Hybrid

Single Phase

Module	FH3X3.6K-HY-1P EU-5/10/15/20	FH3X5K-HY-1P EU-5/10/15/20	FH3X6K-HY-1P EU-5/10/15/20	FH3X8K-HY-1P EU-5/10/15/20
Main System Data				
Battery Module	FH10050			
Number of Battery Modules	1/2/3/4			
Maximum PV Power (kW)	9.6	9.6	9.6	9.6
System Rated Capacity (kWh)	5.12/10.24/15.36/20.48			
Nominal Power (kW)	3.6	5	6	8
IP Rate	IP55			
Inverter Data				
DC Input (From PV) — Maximum Power (kW)	9.6	9.6	9.6	12.8
DC Input (From PV) — Maxinum DC Input Voltage (Vdc)	600			
DC Input (From PV) — Start Up Voltage (Vdc)	80			
DC Input (From PV) — Number of MPPT	2	2	2	3
DC Input (From PV) — Number of PV Strings Per MPPT	1			
DC Input (From PV) — MPPT Voltage Range (Vdc)	80~550			
DC Input (From PV) — MPPT Full Load Voltage Range (Vdc)	190~520			
DC Input (From PV) — Maximum Current (A)	16			
DC Input (From PV) — Short Circuit Current Per MPPT (A)	25			
DC Input (From PV) — Surge Protection	Type II			
On-Grid — Nominal AC Voltage/Frequency (Vac)	230@50/60Hz			
On-Grid — Grid Voltage Range (Vac)	172.5~264.5			
On-Grid — Grid Connection	L/N/PE			
On-Grid — Nominal AC Power (kW)	3.6	5	6	8
On-Grid — Maximum Grid Input Power (kW)	5.7	7.5	9.6	12
Off-Grid — Rated Output Voltage (Vac)	230±1%			
Off-Grid — ON/Off-Grid Switching Time (ms)	≤10			
Off-Grid — Rated Off-Grid Power (kVA)	3.6	5	6	8
Off-Grid — Peak Off-Grid Power (60s)/Estimate (kVA)	4.32	6	7.2	9.6
Off-Grid — Maximum Parallel	6			
Efficiency — Maximum Efficiency	(400V PV) 97%			
Efficiency — European Efficiency	97%			
General Data				
System Battery Voltage (Vdc)	100~500			
Maximum Charge and Discharge Current (A)	40	50	50	50
System Dimensions (Width*Depth*Height, mm)	540*350*(565/735/905/1075)			
System Weight (kg)	69/108/147/186			
System Installation Method	Floor Installation (Wall-Mounted Optional for 5/10/15 Series)			
System Operating Temperature Range (°C)	-10~55			
System Working Humidity Range	0~95%			
System Salt Spray Level	C5M			
System Working Altitude (m)	≤3000			
Common Noise Level (@ 1 meter *In Nominal Condition, dB)	<29			
Cooling	Air Cooling			
Communication Portal	WIFI/WLAN/Bluetooth			
EPO	Installed			
AFCI	2.0@IEC 63027			
Battery Data				
Battery Module	FH10050			
Battery Module Capacity (kWh)	5.12			
Depth of Discharge	95%			
Charge/Discharge — Standard (A)	10			
Charge/Discharge — Normal (A)	50			
Charge/Discharge — MAX (A)	55@15min			
Cycle Life (@25°C)	>8000			
Muti-Group	Max.6 Systems in Parrallel			

Standard Compliance

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/IEC62109-2: 2011

VDE-AR-N-4105: 2018/DIN VDE V 0124-100: 2020/EN50549-10/EN50549-1/PPDS Annex: 2022+EN50549-10/C10/11+EN50549-10/EIFS+EN50549-10/CEI0-21/RD1699 RD661 RD413/UNE 217002: 2020/NTS Version 2.1: 2021/UNE 217001: 2021/AS 4777. 2/AS60947. 3/G98/G99/TOR

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HY-3P-EU

Force H3X Hybrid

Three Phase

Module

		FH3X8K-HY-3P EU-10/15/20/25/30/35	FH3X10K-HY-3P EU-10/15/20/25/30/35	FH3X12K-HY-3P EU-10/15/20/25/30/35	FH3X15K-HY-3P EU-10/15/20/25/30/35
Main System Data					
Battery Module			FH10050		
Number of Battery Modules			2/3/4/5/6/7		
Maximum PV Power (kW)			24		
System Rated Capacity (kWh)			10.24/15.36/20.48/25.6/30.72/35.84		
Nominal Power (kW)		8	10	12	15
IP Rate			IP55		
Inverter Data					
DC Input (From PV)	Maximum Power (kW)		24		
	Maxinum DC Input Voltage (Vdc)		1000		
	Start Up Voltage (Vdc)		200		
	Number of MPPT		3		
	Number of PV Strings Per MPPT		1		
	MPPT Voltage Range (Vdc)		200~850		
	MPPT Full Load Voltage Range (Vdc)		280~850		
	Maximum Current (A)		20		
	Short Circuit Current Per MPPT (A)		30		
	Surge Protection		Type II		
On-Grid	Nominal AC Voltage/Frequency (Vac)		400@50/60Hz		
	Grid Voltage Range (Vac)		320~480		
	Grid Connection		3W/N/PE		
	Nominal AC Power (kW)	8	10	12	15
	Maximum Grid Input Power (kW)	12	15	18	22.5
Off-Grid	Rated Output Voltage (Vac)		400		
	ON/Off-Grid Switching Time (ms)		≤10		
	Rated Off-Grid Power (kVA)	8	10	12	15
	Peak Off-Grid Power (60s)/Estimate (kVA)	9.6	12	14.4	18
	Maximum Parallel		6		
Efficiency	Maximum Efficiency		(600V PV) 97%		
	European Efficiency		97%		
General Data					
System Battery Voltage (Vdc)			120~850		
Maximum Charge and Discharge Current (A)		40	50	50	50
System Dimensions (Width*Depth*Height, mm)			540*350*(780/950/1120/1290/1460/1630)		
System Weight (kg)			118/157/196/235/274/313		
System Installation Method			Floor Installation (Wall-Mounted Optional for 5/10/15 Series)		
System Operating Temperature Range (°C)			-10~55		
System Working Humidity Range			0~95%		
System Salt Spray Level			C5M		
System Working Altitude (m)			≤3000		
Common Noise Level (@ 1 meter *In Nominal Condition, dB)			<29		
Cooling			Air Cooling		
Communication Portal			WIFI/WLAN/Bluetooth		
EPO			Installed		
AFCI			2.0@IEC 63027		
Battery Data					
Battery Module			FH10050		
Battery Module Capacity (kWh)			5.12		
Depth of Discharge			95%		
Charge/ Discharge	Standard (A)		10		
	Normal (A)		50		
	MAX (A)		55@15min		
Cycle Life (@25°C)			>8000		
Muti-Group			Max.6 Systems in Parrallel		

Standard Compliance

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/IEC62109-2: 2011

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PY240611EN-SD

PYLONTECH

Next Level Residential Energy Solution

Force H3X

Hybrid Solution

On-Demand Versatility

One-Stop Solution & Effortless Installation

Trustworthy Safety Desgin

Extraordinary Performance

Intelligent Solutions

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PYLONTECH

From Heart to Your Home

On-Demand Versatility

Single Phase/ Three Phase

Wide power range
3.6 kW to **15** kW

Single group
10-35 kWh

Max. 6 groups
210 kWh

Suitable for both residential and small-scale C&I

One-Stop Solution & Effortless Installation

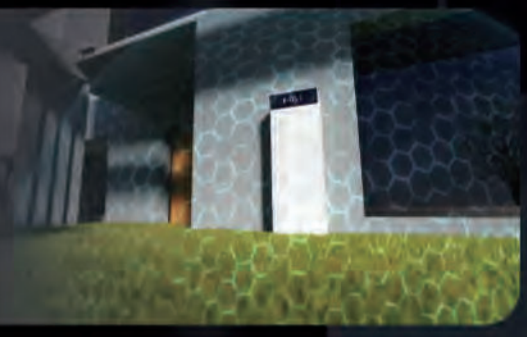
BMS+Inverter+EMS Highly intergrated

15 min Installation & commissioning

Automatic paralleling, easy set-up

Trustworthy Safety Desgin

- Vertical integrated manufacturing
- Reliable product safety design
- Ai-driven smart protection
- Various safety certifications, unit level **UL9540A**



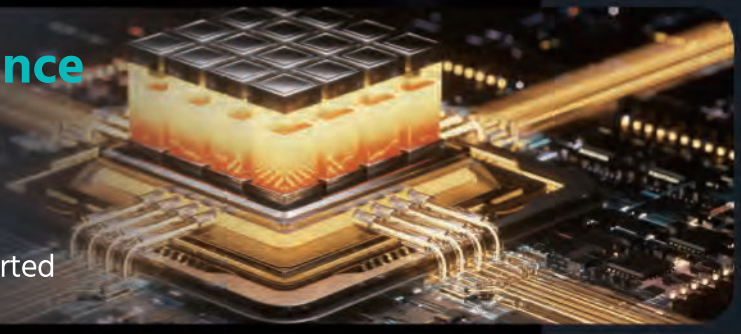
Extraordinary Performance

1 C
Rate

97%
Efficiency

8000+
Life cycles

100% three phase load unbalance Supported



Intelligent Solutions

- **Dynamic control:** Optimized energy usage strategy
- Fault diagnosis system
- Remote control of pv and heat pump

*Product specifications are subject to specific conditions. Please reach out to Pylontech's technical service for further details.

HY-1P-EU

Force H3X Hybrid

Single Phase

Module	FH3X3.6K-HY-1P EU-5/10/15/20	FH3X5K-HY-1P EU-5/10/15/20	FH3X6K-HY-1P EU-5/10/15/20	FH3X8K-HY-1P EU-5/10/15/20
Main System Data				
Battery Module	FH10050			
Number of Battery Modules	1/2/3/4			
Maximum PV Power (kW)	9.6	9.6	9.6	9.6
System Rated Capacity (kWh)	5.12/10.24/15.36/20.48			
Nominal Power (kW)	3.6	5	6	8
IP Rate	IP55			
Inverter Data				
DC Input (From PV) — Maximum Power (kW)	9.6	9.6	9.6	12.8
DC Input (From PV) — Maxinum DC Input Voltage (Vdc)	600			
DC Input (From PV) — Start Up Voltage (Vdc)	80			
DC Input (From PV) — Number of MPPT	2	2	2	3
DC Input (From PV) — Number of PV Strings Per MPPT	1			
DC Input (From PV) — MPPT Voltage Range (Vdc)	80~550			
DC Input (From PV) — MPPT Full Load Voltage Range (Vdc)	190~520			
DC Input (From PV) — Maximum Current (A)	16			
DC Input (From PV) — Short Circuit Current Per MPPT (A)	25			
DC Input (From PV) — Surge Protection	Type II			
On-Grid — Nominal AC Voltage/Frequency (Vac)	230@50/60Hz			
On-Grid — Grid Voltage Range (Vac)	172.5~264.5			
On-Grid — Grid Connection	L/N/PE			
On-Grid — Nominal AC Power (kW)	3.6	5	6	8
On-Grid — Maximum Grid Input Power (kW)	5.7	7.5	9.6	12
Off-Grid — Rated Output Voltage (Vac)	230±1%			
Off-Grid — ON/Off-Grid Switching Time (ms)	≤10			
Off-Grid — Rated Off-Grid Power (kVA)	3.6	5	6	8
Off-Grid — Peak Off-Grid Power (60s)/Estimate (kVA)	4.32	6	7.2	9.6
Off-Grid — Maximum Parallel	6			
Efficiency — Maximum Efficiency	(400V PV) 97%			
Efficiency — European Efficiency	97%			
General Data				
System Battery Voltage (Vdc)	100~500			
Maximum Charge and Discharge Current (A)	40	50	50	50
System Dimensions (Width*Depth*Height, mm)	540*350*(565/735/905/1075)			
System Weight (kg)	69/108/147/186			
System Installation Method	Floor Installation (Wall-Mounted Optional for 5/10/15 Series)			
System Operating Temperature Range (°C)	-10~55			
System Working Humidity Range	0~95%			
System Salt Spray Level	C5M			
System Working Altitude (m)	≤3000			
Common Noise Level (@ 1 meter *In Nominal Condition, dB)	<29			
Cooling	Air Cooling			
Communication Portal	WIFI/WLAN/Bluetooth			
EPO	Installed			
AFCI	2.0@IEC 63027			
Battery Data				
Battery Module	FH10050			
Battery Module Capacity (kWh)	5.12			
Depth of Discharge	95%			
Charge/Discharge — Standard (A)	10			
Charge/Discharge — Normal (A)	50			
Charge/Discharge — MAX (A)	55@15min			
Cycle Life (@25°C)	>8000			
Muti-Group	Max.6 Systems in Parrallel			

Standard Compliance

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/IEC62109-2: 2011

VDE-AR-N-4105: 2018/DIN VDE V 0124-100: 2020/EN50549-10/EN50549-1/PPDS Annex: 2022+EN50549-10/C10/11+EN50549-10/EIFS+EN50549-10/CEI0-21/RD1699 RD661 RD413/UNE 217002: 2020/NTS Version 2.1: 2021/UNE 217001: 2021/AS 4777. 2/AS60947. 3/G98/G99/TOR

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HY-3P-EU

Force H3X Hybrid

Three Phase

Module

		FH3X8K-HY-3P EU-10/15/20/25/30/35	FH3X10K-HY-3P EU-10/15/20/25/30/35	FH3X12K-HY-3P EU-10/15/20/25/30/35	FH3X15K-HY-3P EU-10/15/20/25/30/35
Main System Data					
Battery Module			FH10050		
Number of Battery Modules			2/3/4/5/6/7		
Maximum PV Power (kW)			24		
System Rated Capacity (kWh)			10.24/15.36/20.48/25.6/30.72/35.84		
Nominal Power (kW)		8	10	12	15
IP Rate			IP55		
Inverter Data					
DC Input (From PV)	Maximum Power (kW)		24		
	Maxinum DC Input Voltage (Vdc)		1000		
	Start Up Voltage (Vdc)		200		
	Number of MPPT		3		
	Number of PV Strings Per MPPT		1		
	MPPT Voltage Range (Vdc)		200~850		
	MPPT Full Load Voltage Range (Vdc)		280~850		
	Maximum Current (A)		20		
	Short Circuit Current Per MPPT (A)		30		
	Surge Protection		Type II		
On-Grid	Nominal AC Voltage/Frequency (Vac)		400@50/60Hz		
	Grid Voltage Range (Vac)		320~480		
	Grid Connection		3W/N/PE		
	Nominal AC Power (kW)	8	10	12	15
	Maximum Grid Input Power (kW)	12	15	18	22.5
Off-Grid	Rated Output Voltage (Vac)		400		
	ON/Off-Grid Switching Time (ms)		≤10		
	Rated Off-Grid Power (kVA)	8	10	12	15
	Peak Off-Grid Power (60s)/Estimate (kVA)	9.6	12	14.4	18
	Maximum Parallel		6		
Efficiency	Maximum Efficiency		(600V PV) 97%		
	European Efficiency		97%		
General Data					
System Battery Voltage (Vdc)			120~850		
Maximum Charge and Discharge Current (A)		40	50	50	50
System Dimensions (Width*Depth*Height, mm)			540*350*(780/950/1120/1290/1460/1630)		
System Weight (kg)			118/157/196/235/274/313		
System Installation Method			Floor Installation (Wall-Mounted Optional for 5/10/15 Series)		
System Operating Temperature Range (°C)			-10~55		
System Working Humidity Range			0~95%		
System Salt Spray Level			C5M		
System Working Altitude (m)			≤3000		
Common Noise Level (@ 1 meter *In Nominal Condition, dB)			<29		
Cooling			Air Cooling		
Communication Portal			WIFI/WLAN/Bluetooth		
EPO			Installed		
AFCI			2.0@IEC 63027		
Battery Data					
Battery Module			FH10050		
Battery Module Capacity (kWh)			5.12		
Depth of Discharge			95%		
Charge/ Discharge	Standard (A)		10		
	Normal (A)		50		
	MAX (A)		55@15min		
Cycle Life (@25°C)			>8000		
Muti-Group			Max.6 Systems in Parrallel		

Standard Compliance

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/IEC62109-2: 2011

VDE-AR-N-4105: 2018/DIN VDE V 0124-100: 2020/EN50549-10/EN50549-1/PPDS Annex: 2022+EN50549-10/C10/11+EN50549-10/EIFS+EN50549-10/ CEI0-21/RD1699 RD661 RD413/UNE 217002:2020/NTS Version 2.1: 2021/UNE 217001: 2021/AS 4777. 2/AS60947. 3/G98/G99/TOR/ PTPiREE/NA-EEA-NE7-CH 2020/

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PY240611EN-SD

PYLONTECH

Next Level Residential Energy Solution

Force H3X

Hybrid Solution

On-Demand Versatility

One-Stop Solution & Effortless Installation

Trustworthy Safety Desgin

Extraordinary Performance

Intelligent Solutions

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PYLONTECH

From Heart to Your Home

On-Demand Versatility

Single Phase/ Three Phase

Wide power range
3.6 kW to **15** kW

Single group
10-35 kWh

Max. 6 groups
210 kWh

Suitable for both residential and small-scale C&I

One-Stop Solution & Effortless Installation

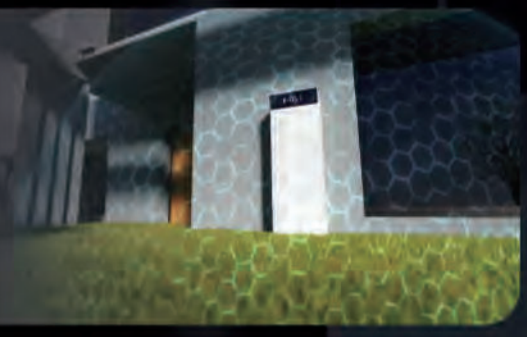
BMS+Inverter+EMS Highly intergrated

15 min Installation & commissioning

Automatic paralleling, easy set-up

Trustworthy Safety Desgin

- Vertical integrated manufacturing
- Reliable product safety design
- Ai-driven smart protection
- Various safety certifications, unit level **UL9540A**



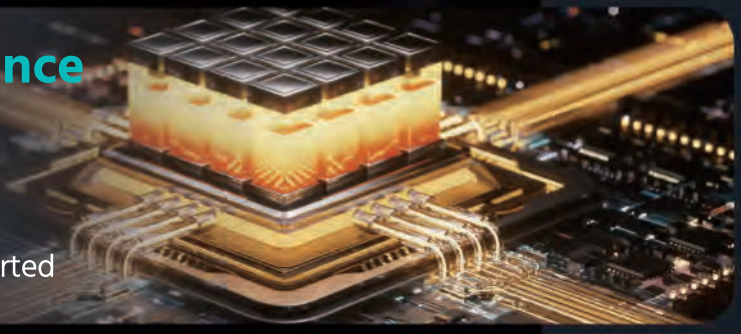
Extraordinary Performance

1 C
Rate

97%
Efficiency

8000+
Life cycles

100% three phase load unbalance Supported



Intelligent Solutions

- **Dynamic control:** Optimized energy usage strategy
- Fault diagnosis system
- Remote control of pv and heat pump

*Product specifications are subject to specific conditions. Please reach out to Pylontech's technical service for further details.

HY-1P-EU

Force H3X Hybrid

Single Phase

Module	FH3X3.6K-HY-1P EU-5/10/15/20	FH3X5K-HY-1P EU-5/10/15/20	FH3X6K-HY-1P EU-5/10/15/20	FH3X8K-HY-1P EU-5/10/15/20
Main System Data				
Battery Module	FH10050			
Number of Battery Modules	1/2/3/4			
Maximum PV Power (kW)	9.6	9.6	9.6	9.6
System Rated Capacity (kWh)	5.12/10.24/15.36/20.48			
Nominal Power (kW)	3.6	5	6	8
IP Rate	IP55			
Inverter Data				
DC Input (From PV) — Maximum Power (kW)	9.6	9.6	9.6	12.8
DC Input (From PV) — Maxinum DC Input Voltage (Vdc)	600			
DC Input (From PV) — Start Up Voltage (Vdc)	80			
DC Input (From PV) — Number of MPPT	2	2	2	3
DC Input (From PV) — Number of PV Strings Per MPPT	1			
DC Input (From PV) — MPPT Voltage Range (Vdc)	80~550			
DC Input (From PV) — MPPT Full Load Voltage Range (Vdc)	190~520			
DC Input (From PV) — Maximum Current (A)	16			
DC Input (From PV) — Short Circuit Current Per MPPT (A)	25			
DC Input (From PV) — Surge Protection	Type II			
On-Grid — Nominal AC Voltage/Frequency (Vac)	230@50/60Hz			
On-Grid — Grid Voltage Range (Vac)	172.5~264.5			
On-Grid — Grid Connection	L/N/PE			
On-Grid — Nominal AC Power (kW)	3.6	5	6	8
On-Grid — Maximum Grid Input Power (kW)	5.7	7.5	9.6	12
Off-Grid — Rated Output Voltage (Vac)	230±1%			
Off-Grid — ON/Off-Grid Switching Time (ms)	≤10			
Off-Grid — Rated Off-Grid Power (kVA)	3.6	5	6	8
Off-Grid — Peak Off-Grid Power (60s)/Estimate (kVA)	4.32	6	7.2	9.6
Off-Grid — Maximum Parallel	6			
Efficiency — Maximum Efficiency	(400V PV) 97%			
Efficiency — European Efficiency	97%			
General Data				
System Battery Voltage (Vdc)	100~500			
Maximum Charge and Discharge Current (A)	40	50	50	50
System Dimensions (Width*Depth*Height, mm)	540*350*(565/735/905/1075)			
System Weight (kg)	69/108/147/186			
System Installation Method	Floor Installation (Wall-Mounted Optional for 5/10/15 Series)			
System Operating Temperature Range (°C)	-10~55			
System Working Humidity Range	0~95%			
System Salt Spray Level	C5M			
System Working Altitude (m)	≤3000			
Common Noise Level (@ 1 meter *In Nominal Condition, dB)	<29			
Cooling	Air Cooling			
Communication Portal	WIFI/WLAN/Bluetooth			
EPO	Installed			
AFCI	2.0@IEC 63027			
Battery Data				
Battery Module	FH10050			
Battery Module Capacity (kWh)	5.12			
Depth of Discharge	95%			
Charge/Discharge — Standard (A)	10			
Charge/Discharge — Normal (A)	50			
Charge/Discharge — MAX (A)	55@15min			
Cycle Life (@25°C)	>8000			
Muti-Group	Max.6 Systems in Parrallel			

Standard Compliance

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/IEC62109-2: 2011

VDE-AR-N-4105: 2018/DIN VDE V 0124-100: 2020/EN50549-10/EN50549-1/PPDS Annex: 2022+EN50549-10/C10/11+EN50549-10/EIFS+EN50549-10/CEI0-21/RD1699 RD661 RD413/UNE 217002: 2020/NTS Version 2.1: 2021/UNE 217001: 2021/AS 4777. 2/AS60947. 3/G98/G99/TOR

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HY-3P-EU

Force H3X Hybrid

Three Phase

Module

		FH3X8K-HY-3P EU-10/15/20/25/30/35	FH3X10K-HY-3P EU-10/15/20/25/30/35	FH3X12K-HY-3P EU-10/15/20/25/30/35	FH3X15K-HY-3P EU-10/15/20/25/30/35
Main System Data					
Battery Module			FH10050		
Number of Battery Modules			2/3/4/5/6/7		
Maximum PV Power (kW)			24		
System Rated Capacity (kWh)			10.24/15.36/20.48/25.6/30.72/35.84		
Nominal Power (kW)		8	10	12	15
IP Rate			IP55		
Inverter Data					
DC Input (From PV)	Maximum Power (kW)		24		
	Maxinum DC Input Voltage (Vdc)		1000		
	Start Up Voltage (Vdc)		200		
	Number of MPPT		3		
	Number of PV Strings Per MPPT		1		
	MPPT Voltage Range (Vdc)		200~850		
	MPPT Full Load Voltage Range (Vdc)		280~850		
	Maximum Current (A)		20		
	Short Circuit Current Per MPPT (A)		30		
	Surge Protection		Type II		
On-Grid	Nominal AC Voltage/Frequency (Vac)		400@50/60Hz		
	Grid Voltage Range (Vac)		320~480		
	Grid Connection		3W/N/PE		
	Nominal AC Power (kW)	8	10	12	15
	Maximum Grid Input Power (kW)	12	15	18	22.5
Off-Grid	Rated Output Voltage (Vac)		400		
	ON/Off-Grid Switching Time (ms)		≤10		
	Rated Off-Grid Power (kVA)	8	10	12	15
	Peak Off-Grid Power (60s)/Estimate (kVA)	9.6	12	14.4	18
	Maximum Parallel		6		
Efficiency	Maximum Efficiency		(600V PV) 97%		
	European Efficiency		97%		
General Data					
System Battery Voltage (Vdc)			120~850		
Maximum Charge and Discharge Current (A)		40	50	50	50
System Dimensions (Width*Depth*Height, mm)			540*350*(780/950/1120/1290/1460/1630)		
System Weight (kg)			118/157/196/235/274/313		
System Installation Method			Floor Installation (Wall-Mounted Optional for 5/10/15 Series)		
System Operating Temperature Range (°C)			-10~55		
System Working Humidity Range			0~95%		
System Salt Spray Level			C5M		
System Working Altitude (m)			≤3000		
Common Noise Level (@ 1 meter *In Nominal Condition, dB)			<29		
Cooling			Air Cooling		
Communication Portal			WIFI/WLAN/Bluetooth		
EPO			Installed		
AFCI			2.0@IEC 63027		
Battery Data					
Battery Module			FH10050		
Battery Module Capacity (kWh)			5.12		
Depth of Discharge			95%		
Charge/ Discharge	Standard (A)		10		
	Normal (A)		50		
	MAX (A)		55@15min		
Cycle Life (@25°C)			>8000		
Muti-Group			Max.6 Systems in Parrallel		

Standard Compliance

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/IEC62109-2: 2011

VDE-AR-N-4105: 2018/DIN VDE V 0124-100: 2020/EN50549-10/EN50549-1/PPDS Annex: 2022+EN50549-10/C10/11+EN50549-10/EIFS+EN50549-10/ CEI0-21/RD1699 RD661 RD413/UNE 217002:2020/NTS Version 2.1: 2021/UNE 217001: 2021/AS 4777. 2/AS60947. 3/G98/G99/TOR/ PTPiREE/NA-EEA-NE7-CH 2020/

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PYLONTECH

Fidus Battery

Extraordinary Performance

Continuous 1C Rate
Peak Rate 2C@15S
97% DOD

Resilient in Harsh Conditions

Various Outdoor Scenarios Available
Top Anti-Corrosion Level
Cell Level Heating for Extreme Cold

Flexible and Compatible

Strong Scalability from 5kWh~600kWh (1-120 Modules)
50+ Popular Inverter Brands Compatible
Wall/ Ground/ Rack Mounted Applicable

ACROSS THE BOUNDARIES
POWER TO INFINITE

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Module

Fidus-Battery-EU

Nominal Voltage (VDC)		51.2V
Battery Module Capacity (kWh)		5.12
Usable Capacity (kWh)		4.86
Dimension (W*D*H mm)		630*165*360
Weight (kg)		45
Depth of Discharge		95%
Charge/ Discharge (A)	(Normal)	100
	(Max)	100
	(Peak)	121~200@15s
Communication port		RS485/CAN
IP rating		IP65
Anti-corrosion		C5-M
Multi-Group		6
Single String Quantity (pcs)		20*
Working Temperature (℃) Charge		-10~55*
Working Temperature (℃) Discharge		-10~55 (Normal Version) / -20~55 (Nordic Version)
Storage Temperature (℃)		-20~60
Humidity (RH)		5%~95% No condensation
Short current/duration time (A)		<1000/ms
Altitude (m)		≤4000
Design life @25℃		10years
Cycle life @25℃		>6,000
Certification		IEC62619/UN38.3/RoHS/Reach/WEEE/EMC/CE/IEC63056/VDE2510-50/IEC62477-1

*19 pcs for multiple strings installation

*Degradation at temperatures above 50°C, or below 0°C

US Series

Flexible for Mixed Usage

Free to Scale Up

19inch Rack Compatible

High Power Efficiency

Module		US2000C	US3000C	US5000
Nominal Voltage (VDC)		48	48	48
Nominal Capacity (kWh)		2.4	3.55	4.8
Usable Capacity (kWh)		2.28	3.37	4.56
Dimension (W*D*H mm)		442*410*89	442*410*132	442*420*161
Weight (kg)		22.5	32	39.7
Depth of Discharge		95%	95%	95%
Charge/ Discharge (A)	(Normal)	25	37	100
	(Max)	50-89 @60s	74-89 @60s	101-120 @15min
	(Peak)	90-200 @15s	90-200 @15s	121-200 @15s
Communication Port			RS485/CAN	
Single String Quantity (pcs)		16	16	16
Working Temperature/ (℃) Charge			0~55	
Working Temperature/ (℃) Discharge			-10~55	
Storage Temperature/ (℃)			-20~45	
Short current/duration time (A)		<4000/2ms	<4000/2ms	<2000/1ms
IP rating			IP20	
Humidity (RH)			5%-95% No Condensation	
Altitude (m)			<4000	
Design life (@25℃)		15+ Years	15+ Years	15+ Years
Cycle Life (@25℃)		>8,000	>8,000	>8,000
Certification		UL1642/IEC62619/ IEC63056/ IEC61000-6-2/3 UN38.3	UL1973/UL1642/ UL9540A/VDE2510-50/ IEC63056/IEC62619/ IEC62040/IEC62477-1/ IEC61000-6-2/3/UN38.3	UL1973/UL9540A IEC62619/IEC63056/ IEC61000-6-2/3/ UN38.3

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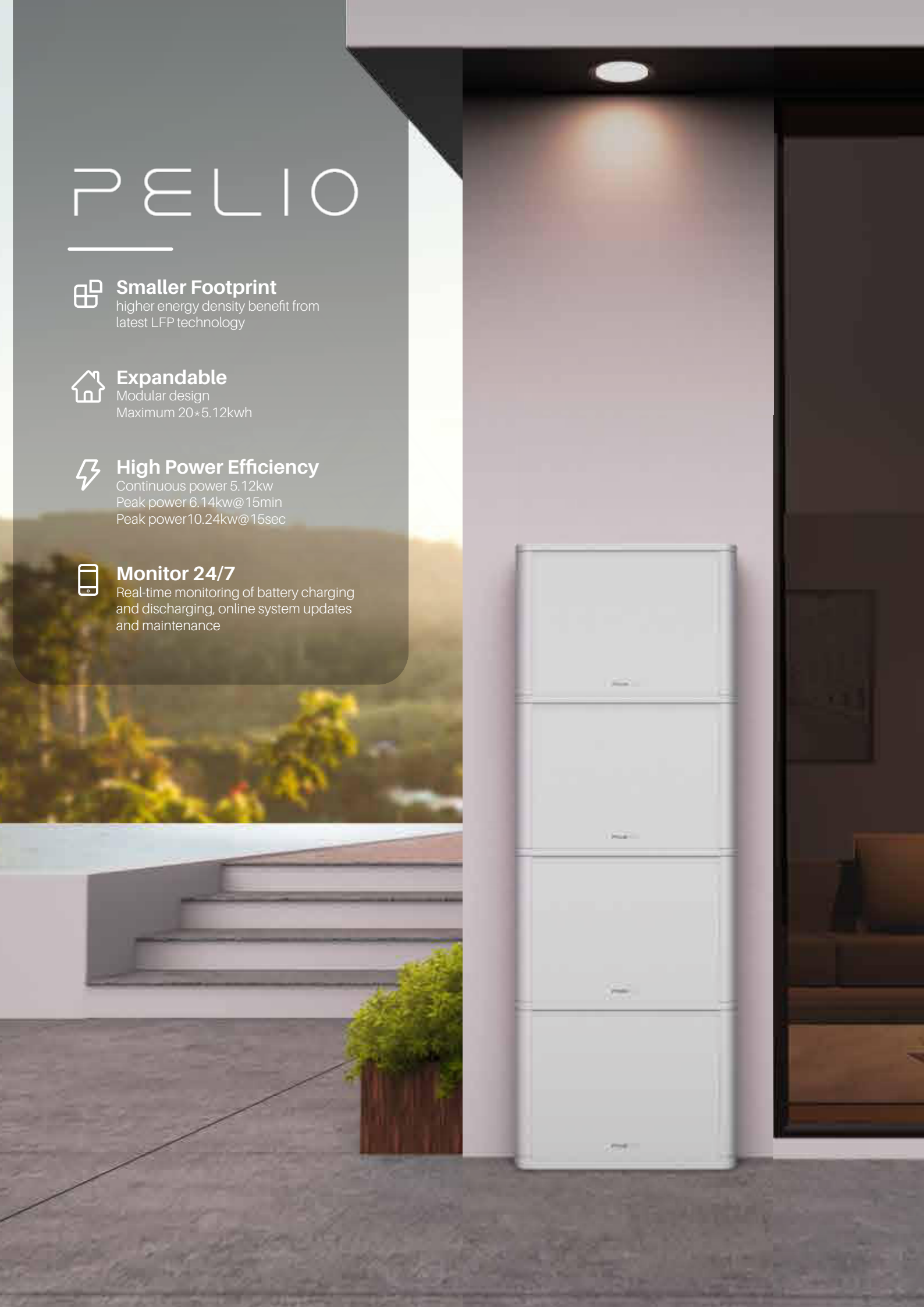
Module		US2000C	US3000C	US5000
Nominal Voltage (VDC)		48	48	48
Nominal Capacity (kWh)		2.4	3.55	4.8
Usable Capacity (kWh)		2.28	3.37	4.56
Dimension (W*D*H mm)		442*410*89	442*410*132	442*420*161
Weight (kg)		22.5	32	39.7
Depth of Discharge		95%	95%	95%
Charge/ Discharge (A)	(Normal)	25	37	100
	(Max)	50-89 @60s	74-89 @60s	101-120 @15min
	(Peak)	90-200 @15s	90-200 @15s	121-200 @15s
Communication Port			RS485/CAN	
Single String Quantity (pcs)		16	16	16
Working Temperature/ (℃) Charge			0~55	
Working Temperature/ (℃) Discharge			-10~55	
Storage Temperature/ (℃)			-20~45	
Short current/duration time (A)		<4000/2ms	<4000/2ms	<2000/1ms
IP rating			IP20	
Humidity (RH)			5%-95% No Condensation	
Altitude (m)			<4000	
Design life (@25℃)		15+ Years	15+ Years	15+ Years
Cycle Life (@25℃)		>8,000	>8,000	>8,000
Certification		UL1642/IEC62619/ IEC63056/ IEC61000-6-2/3 UN38.3	UL1973/UL1642/ UL9540A/VDE2510-50/ IEC63056/IEC62619/ IEC62040/IEC62477-1/ IEC61000-6-2/3/UN38.3	UL1973/UL9540A IEC62619/IEC63056/ IEC61000-6-2/3/ UN38.3



PELIO

Smaller Footprint
higher energy density benefit from latest LFP technology

Expandable
Modular design
Maximum 20*5.12kwh

High Power Efficiency
Continuous power 5.12kw
Peak power 6.14kw@15min
Peak power10.24kw@15sec

Monitor 24/7
Real-time monitoring of battery charging and discharging, online system updates and maintenance

SPECIFICATION (Pelio-L-5.12)

Basic Parameters	Pelio-L-5.12
Nominal Voltage (V)	51.2
Nominal Capacity (Wh)	5120
Usable Capacity (Wh)	4864
Dimension (mm)	395*578*165
Weight (Kg)	45
Discharge Voltage (V)	44.8 ~ 56.8
Charge Voltage (V)	56.0 ~ 56.8
Recommend Charge/Discharge Current (A)	80
Max. Charge/Discharge Current (A)	100~120@15min
Peak Charge/Discharge Current (A)	120~200@15sec
Communication Port	RS485, CAN
Operation&Connection	WIFI*(2.4G), USB 2.0
Depth of discharge (%)	95
Configuration (max. in 1 battery group)	20pcs
Working Temperature	0℃~50℃ Charge -10℃~50℃ Discharge
Shelf Temperature	0℃~40℃ (6 months) -20℃~45℃ (3 months)
Short current/duration time	<4000A/2ms
Cooling type	Natural
Protective class	I
IP rating of enclosure	IP65
Humidity	5% ~ 95%(RH) No Condensation
Altitude(m)	<4000
Design life	15+ Years (25℃/77℉)
Cycle Life	>8,000 25℃
Reference to standards	IEC62619, IEC63056, IEC62040, IEC62477-1, UL1973, U1642,UL9540A, VDE2510-50, IEC61000-6-2, IEC61000-6-3, UN38.3