



Next Level Residential Energy Solution Force H3X

AC- Coupled Solution



**On-Demand
Versatility**



**One-Stop Solution &
Effortless Installation**



**Trustworthy Safety
Design**



**Extraordinary
Performance**



**Intelligent
Solutions**

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

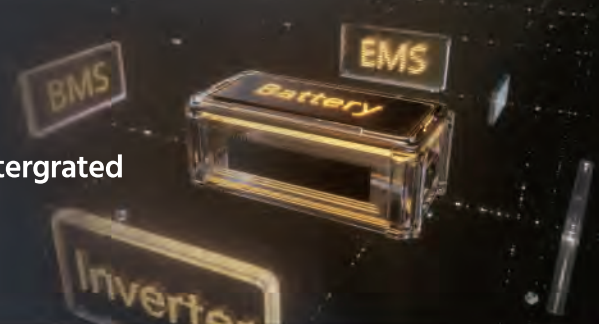
Suitable for both residential and small-scale C&I



One-Stop Solution & Effortless Installation

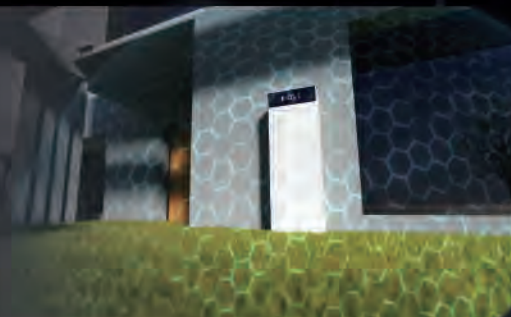
BMS+Inverter+EMS Highly intergrated

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

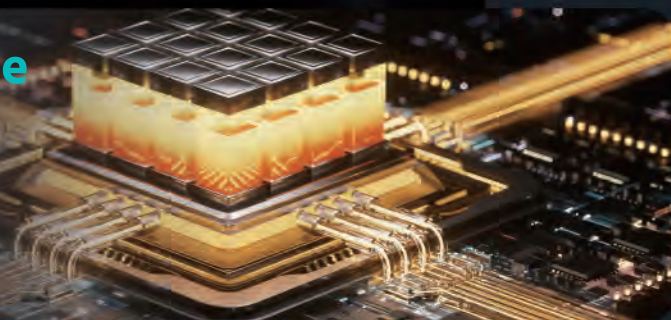
1C **97%** **8000+**

Rate

Efficiency

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.

Force H3X AC- Coupled

Single Phase

Module

FH3X3.6K-ACC-1P
EU-5/10/15/20FH3X5K-ACC-1P
EU-5/10/15/20FH3X6K-ACC-1P
EU-5/10/15/20FH3X8K-ACC-1P
EU-5/10/15/20

Main System Data

Battery Module	FH10050			
Number of Battery Modules	1/2/3/4			
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

On-Grid	Nominal AC Voltage/Frequency (Vac)	230@50/60Hz		
	Grid Voltage Range (Vac)	172.5~264.5		
	Grid Connection	L/N/PE		
	Nominal AC Power (kW)	3.6	5	6
Off-Grid	Maximum Grid Input Power (kW)	5.7	7.5	9.6
	Rated Output Voltage (Vac)	230±1%		
	ON/Off-Grid Switching Time (ms)	≤10		
	Rated Off-Grid power (kVA)	3.6	5	6
Efficiency	Peak Off-Grid power (60s)/Estimate (kVA)	4.32	6	7.2
	Maximum Parallel	6		
	Maximum Efficiency	(400V PV) 97%		
	European Efficiency	97%		

General Data

System Battery Voltage (Vdc)	100-500			
Maximum Charge and Discharge Current	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/Standard (A)	10			
Discharge/Normal (A)	50			
MAX (A)	55@15min			
Cycle Life (@25°C)	>8000			
Muti-Group	Max.6 Systems in Parallel			

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/IEFS+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

Force H3X AC- Coupled

Three Phase

Module

FH3X8K-ACC-3P FH3X10K-ACC-3P FH3X12K-ACC-3P FH3X15K-ACC-3P
EU-10/15/20/25/30/35 EU-10/15/20/25/30/35 EU-10/15/20/25/30/35 EU-10/15/20/25/30/35

Main System Data

Battery Module	FH10050			
Number of Battery Modules	2/3/4/5/6/7			
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

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
Off-Grid	Maximum Grid Input Power (kW)	12	15	18	22.5
	Rated Output Voltage (Vac)	400			
	ON/Off-Grid Switching Time (ms)	≤10			
	Rated Off-Grid power (kVA)	8	10	12	15
Efficiency	Peak Off-Grid power (60s)/Estimate (kVA)	9.6	12	14.4	18
	Maximum Parallel	6			
	Maximum Efficiency	(600V PV) 97%			
	European Efficiency	97%			

General Data

System Battery Voltage (Vdc)	120-850			
Maximum Charge and Discharge Current	50	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/ Standard (A)	10			
Discharge 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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