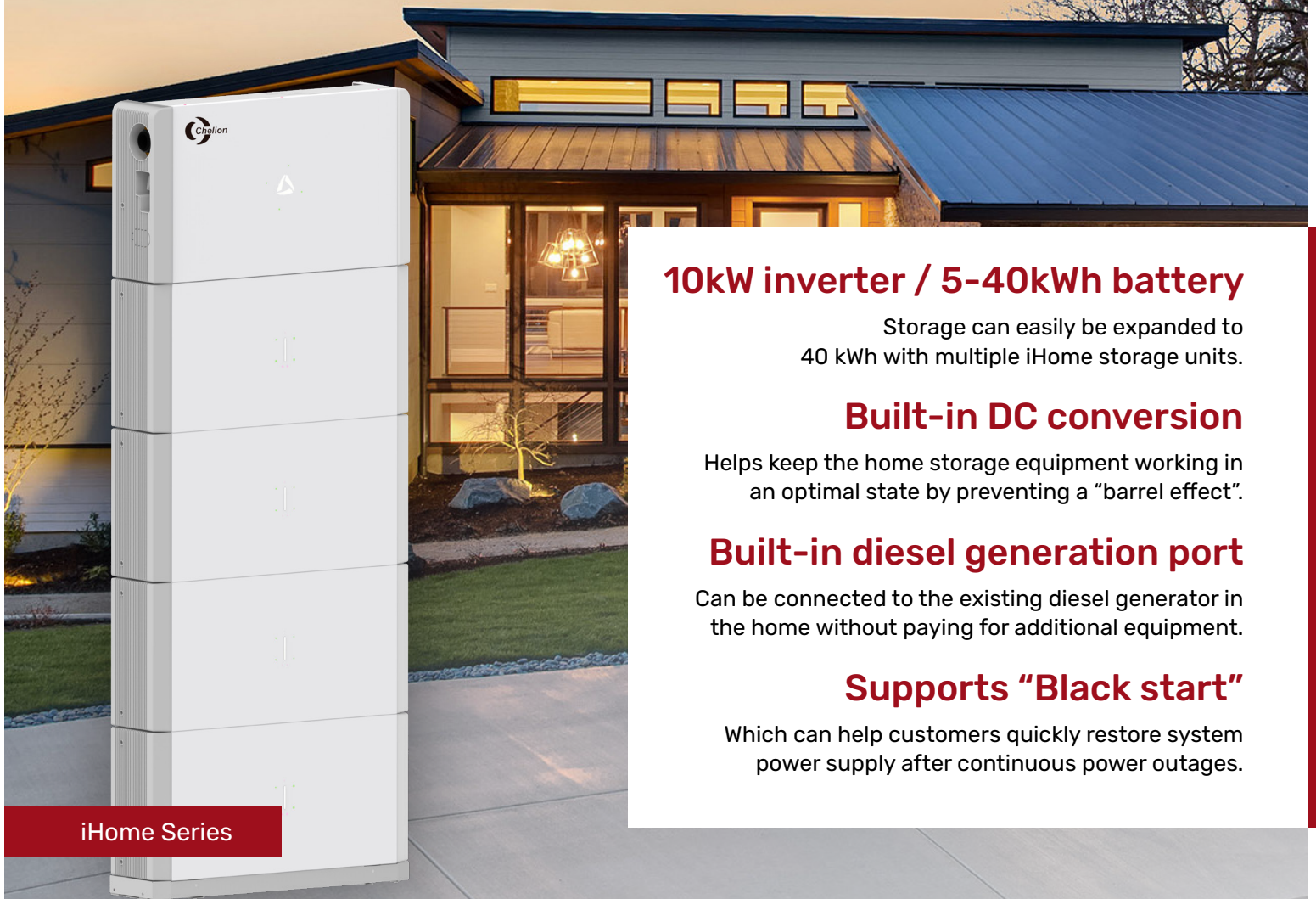




# Energy Storage Solutions Re-Defined

## Residential Energy Storage Solutions



iHome Series

### **10kW inverter / 5-40kWh battery**

Storage can easily be expanded to 40 kWh with multiple iHome storage units.

### **Built-in DC conversion**

Helps keep the home storage equipment working in an optimal state by preventing a "barrel effect".

### **Built-in diesel generation port**

Can be connected to the existing diesel generator in the home without paying for additional equipment.

### **Supports "Black start"**

Which can help customers quickly restore system power supply after continuous power outages.

**Availability beginning  
June 2023**

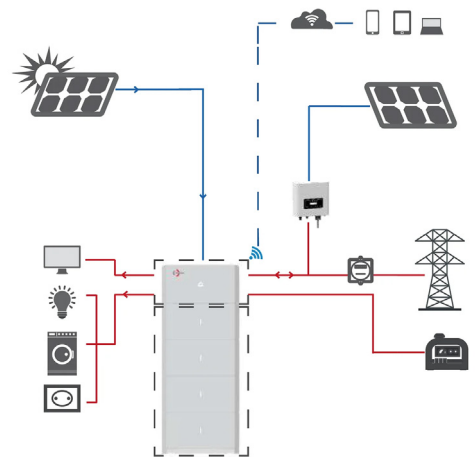
**(408)-933-3974 | [info@chelion.com](mailto:info@chelion.com)  
[www.chelion.us](http://www.chelion.us)**

## Key Specifications

kWh per system	15kWh (customised as example, max to 40kWh)	Back Up	✓
System expansion flexibility	Up to 8 nos batteries (40kWh) per system	Self Consumption	✓
Battery expansion (alone)	5kWh per BAT, mixture use of the new and old battery supported	Storm Preparation Backup Priority	✓
Cell chemistry	LFP	Automatic Off-Grid Operation	✓
Solar PV, max continuous current	18kW or 75A @240 V	System parallel operation in Off-Grid mode	✓
Max Generator Input	10kW	Seamless switch between on-grid/off-grid	✓
Continuous Output, kW	10kW	Generator Integration	✓
Output Voltage	240 V	Generator auto-recharges batteries	✓
Aggregated throughput	57.04MWh (2.852MWh/KWh)	Type of PV inverter required for outage protection	Any Brand or Model
Max Output from (1) system	20kW for 10s	Black start after Battery drained	✓
Start up 4-ton AC unit	Higher than industry average	PV inverter required for black start	Works with any existing PV inverter
Integrated Load Control Circuit	✓	Black start during multiple-day grid-outages	✓
Back Up/Generator port	Built-in	True Off-Grid installation	✓
Warranty	10 years (0.5C)	Additional Equipment required for off-grid	No. All standard equipment.
Time of Use Load shifting mode	✓	Off-Grid Warrantied	✓
Net Metering	✓		

## Enjoy Green Energy

With iHome Energy Storage and PV solutions, managing your home solar systems has never been easier. iHome's products have added blackout protection and flexibility to join a virtual power plant, providing customers with a future proofed and complete residential energy solution for all situations.



### Additional Benefits:



#### Multi-Functionality

- Multiple operation modes available
- 24/7 Monitoring
  - WIFI Module Integrated



#### Reliability

- Superb performance and long lifespan
- Outdoor | 4 MPPTs
  - AFCI & Rapid Shutdown



#### Compatibility

Compatible with both new installations and retrofits (AC- or DC-coupled)



#### Safety

Lithium iron phosphate, the safest chemistry of all lithium battery types

