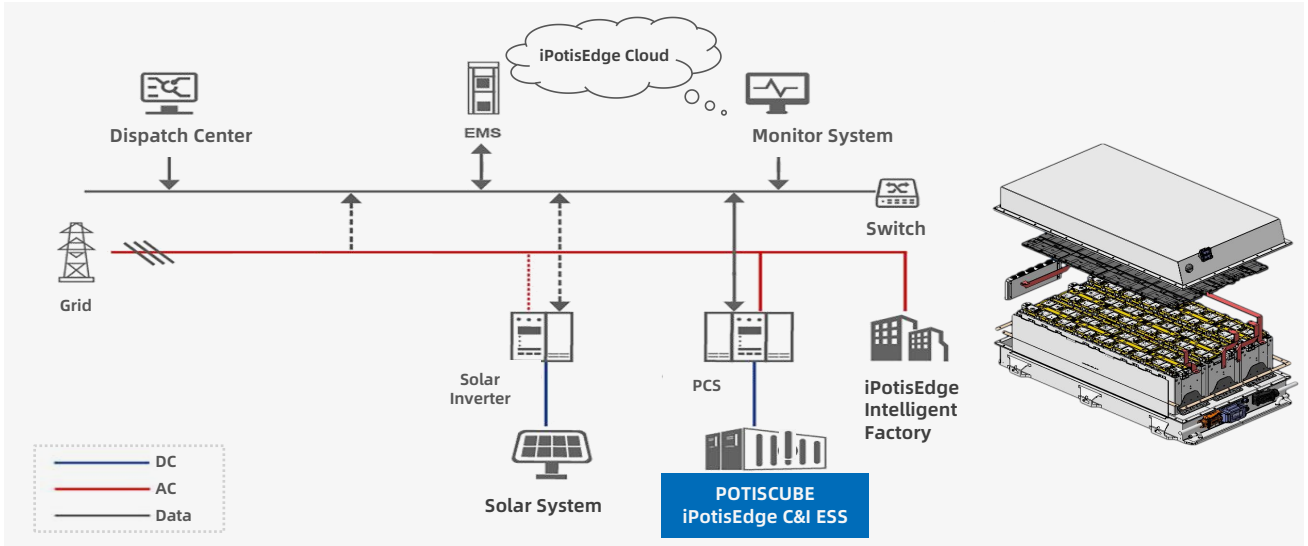


# LIQUID COOLING ESS: PotisCube-L-215 | PotisCube-L-430

One-stop solutions for Commercial and Industrial(C&I) facilities

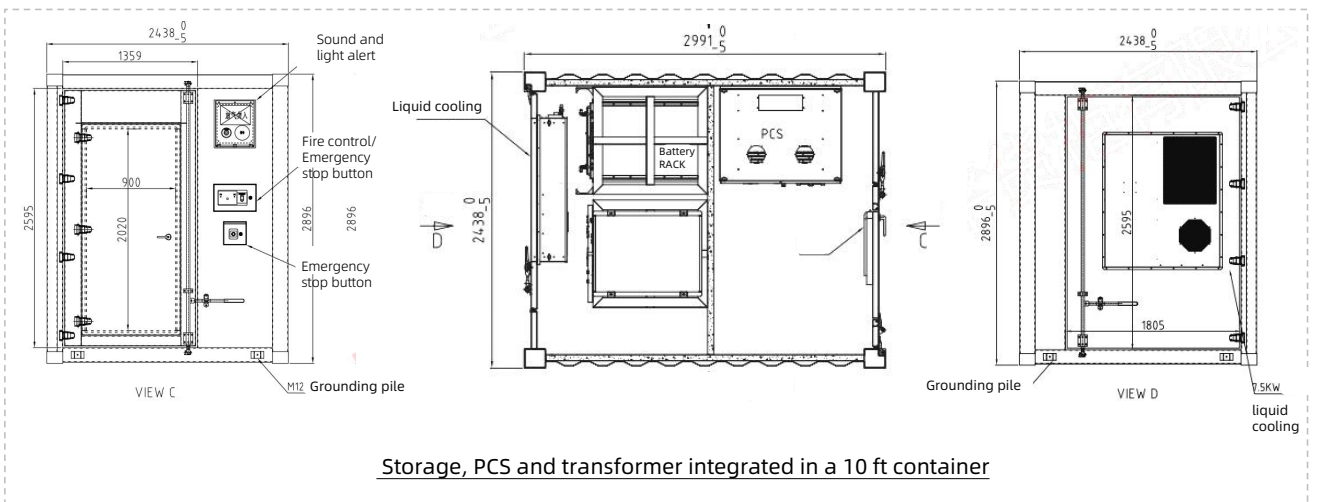


## Commercial & Industrial Energy Storage

Schools, factories, petrol stations, and other commercial buildings with high levels of energy demand can maximize their energy independence and reduce grid power demand with solar PV and battery storage. iPotisEdge provides one-stop solutions for commercial and industrial facilities seeking to save on electricity bills, reduce exposure to rising energy prices, generate additional revenues from renewable energy, and reduce their environmental impacts.

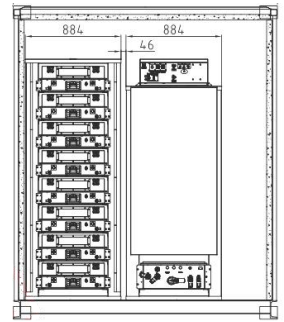
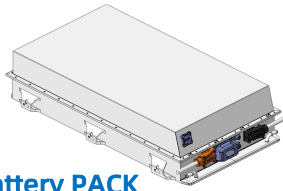
## Outdoor Distributed Energy Storage System

<p><b>LOW COST</b></p> <ul style="list-style-type: none"> <li>✓ Pre-assembled and debugged in factory, shorter constructing time, less constructing cost</li> <li>✓ Liquid cooling, 20% system energy consumption reduction, 10% cell life extended</li> </ul>	<p><b>SAFE AND RELIABLE</b></p> <ul style="list-style-type: none"> <li>✓ IP55 outdoor cabinet and optional C5 anti-corrosion</li> <li>✓ Liquid cooling ensures higher efficiency and longer battery cycle life</li> </ul>
<p><b>PROACTIVE SYSTEM SAFE</b></p> <ul style="list-style-type: none"> <li>✓ Integrated intelligent battery management system and optional cloud EMS</li> <li>✓ Fast state monitoring and faults record enables pre-alarm and faults location</li> </ul>	<p><b>PREMIUM QUALITY ASSURANCE</b></p> <ul style="list-style-type: none"> <li>✓ Integration with ISO 26262 &amp; IATF 16949 certificates</li> <li>✓ Quality assurance and control is involved at all stages to ensure that our products are of the highest quality and are safe &amp; reliable</li> </ul>



# PotisCube-L-215 | PotisCube-L-430

Storage, PCS and transformer integrated in a 10ft container



## Liquid Cooling LPF Battery PACK

Item	Parameter
Cell type	LFP
PACK configuration	1P30S
Nominal capacity	26.88kWh
Voltage range	75V~109.5V
Charge/discharge ratio	0.5P
Ingress Protection	IP67
Design standards	GB/T 36276-2018, UL1973, UL9540, UL9540A, UN38.3, IEC62619, NFPA69, NFPA70, NFPA855, NFPA68
Working environment temperature	-20°C to 55°C(-4°to 131°F)
Thermal management	Liquid cooling
Size(L*W*H)(mm)	968*625*260
Weight (kg)	195

## Battery Energy System

Item	PotisCube-L-215	PotisCube-L-430
Configuration	1P240S	2P240S
Nominal capacity	215kWh	430kWh
Voltage range	648 V ~ 876 V	
Charge/discharge ratio	0.5P	
Ingress Protection	IP55	
Container type	10ft(~half of 20ft container)	
Design standards	GB/T 36276-2018, UL1973, UL9540, UL9540A, UN38.3, IEC62619, NFPA69, NFPA70, NFPA855, NFPA68	
Environment temperature	-20°C to 55°C(-4°to 131°F)	
Thermal management	Liquid cooling	
Size(L*W*H)mm	2991*2438*2896	
Weight(Ton)	5.8	7.5

## PCS

Item	Parameter
Rated AC Power (kW)	100
Grid Voltage (Vac)	400
Max. DC Voltage (Vdc)	850
Battery Voltages(Vdc)	500~850
Frequency (Hz)	50/60
Size(L*W*H) (mm)	800*2260*800
Weight (Kg)	750



## Fire Control & Safety

- ✓ Battery PACK level fire fighting
- ✓ Perfluorohexanone environmental-friendly clean fire extinguishing agent
- ✓ Equipped with smoke, temperature and combustible gas detectors
- ✓ Accurate positioning and timely fire extinguishing
- ✓ Fire fighting system and BMS linkage control to protect system safety

## About iPotisEdge

Since 2015, iPotisEdge has been dedicated to building a clean future with smart batteries and energy storage solutions.

Our main focus on the following three sections helps us gain recognition and brings us to the global market: Smart vehicle batteries, intelligent energy storage systems, and hydrogen fuel cell batteries.

As an innovation-driven company, iPotisEdge has nearly 200 patent applications and keeps evolving to create a better future for our customers and communities. iPotisEdge has 6GWh production capability and 20GWh new intelligent factory is under constructing.

The specifications are subject to change without prior notice.

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