

YOUR  
SMART  
ENERGY



# STORION-LC 372

Liquid-Cooling Outdoor Cabinet (Battery Cabinet)

## CAPACITY

Battery Module: 46.5 kWh

System: 372.7 kWh



**Flexible Site Layout**

**High Energy Density**

**Dehumidification Design**

**High-Level System Integration**

**Intelligent Heat Management Strategy**

**Safer Dual Fire Fighting and Explosion Deflation Solutions**



# STORION-LC 372



Model		STORION-LC 372
<b>System Parameters</b>		
Dimensions (W x D x H)	1700 x 1500 x 2450 mm	
System Weight	4.65 t	
Ingress Protection	IP55	
Rated Voltage	1331.2 V (8 Modules)	
Nominal Capacity	372.7 kWh (8 Modules)	
Rated Charging and Discharging Power	186.3 kW (0.5 P)	
Battery Modules Connection	4 ~ 8 in series connection	
Battery Chemistry	LFP (LiFePO <sub>4</sub> )	
Cooling	Liquid Cooling	
Product Type	Outdoor Cabinet	
Fire-Fighting System	Aerosol + Sprinkler	
<b>Battery Parameters</b>		
Battery Model	M166280-S	
Rated Voltage	166.4 V	
Nominal Capacity	46.5 kWh	
Rated Charging and Discharging Power	23.2 kW (0.5 P)	
Ingress Protection	IP67	
Weight	333 kg	
Dimensions (W x D x H)	810 x 1110 x 237.5 mm	
Cycle Life	≥6000 @ 0.5 P 25°C	
Operating Temperature Range	-30 °C ~ 50 °C*	
<b>Certification</b>		
Transportation	UN 38.3	
Safety	IEC 62619, IEC 62477, IEC61000, UL 9540A, UL 1973	

\*The optimum temperature range is 15~35°C. If the ambient temperature is too high or too low, the battery performance may deteriorate.



#### Alpha ESS Co., Ltd.

+86 513 8060 6891  
 info@alpha-ess.com  
 www.alphaess.com  
 No. 1086 Bihua Road, Tongzhou District, Nantong City, Jiangsu Province, China

#### Alpha ESS Europe GmbH

+49 610 3459 1601  
 europe@alpha-ess.de  
 www.alphaess.de  
 Paul-Ehrlich-Straße 1a, Langen, Hessen D-63225 Germany

#### Alpha ESS Australia Pty. Ltd.

+61 02 9000 7676  
 techsupport@alphaess.au  
 www.alphaess.au  
 8/15-21 Gibbes Street, Chatswood, NSW 2067 Australia

#### Alpha ESS International Pte. Ltd.

+65 6513 1125 / +65 6513 1126  
 Singapore@alpha-ess.com  
 2 Corporation Road #01-06A Corporation Place 618494 Singapore

#### Alpha ESS Italy S.r.l.

+39 339 462 4288  
 info@alpha-ess.it  
 www.alphaess.it  
 Via Don Minzoni, 17, Calenzano Firenze 50041 Italy

#### Alpha ESS UK Ltd.

+44 330 043 2610  
 info@alpha-ess.com  
 Drake house, Long street, Dursley, GL11 4HH UK

#### Alpha ESS USA, Inc.

inquiry@alphaess.us  
 www.alphaess.us  
 2180 S Ivanhoe St. Unit 5 Denver, CO 80222 USA

#### Alpha ESS Korea Co., Ltd.

info@alpha-ess.com  
 2F, 19-4, Nohyeong Il-gil, Jeju-si, Jeju-do, Republic of Korea

#### Alpha ESS South Africa (Pty.) Ltd.

measervice@alpha-ess.com  
 Johannesburg, South Africa