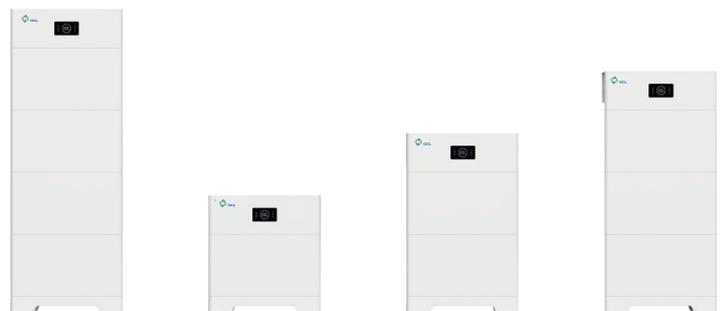# GCL

Honror ES series

Honror ES series brings storage solutions to European and American customers with safe perfor-mance and first-class quality.

Flexible capacity options

Stackable module design, easily extend 5kWh per module, scalable from 5 to 60kWh

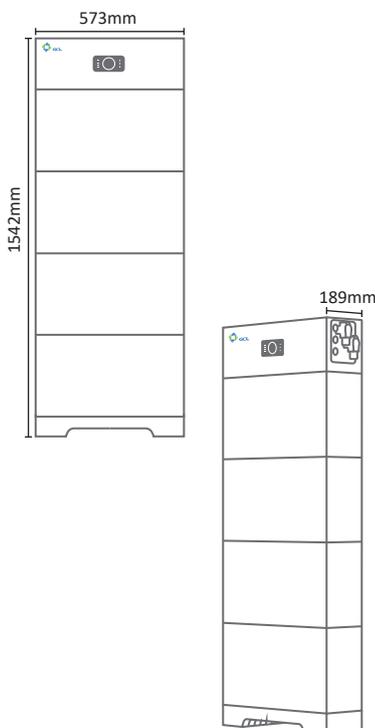|	Conventional	Honror ES series
Easy to install Stack and play,without wire connection Compact and Light, 1～2 persons installation		
Excellent low temp. performance (Optional) Operate at -10℃ without any limitation and attenuation	0°C	-10°C
Battery APP Real time monitoring Remote maintenance and upgrades		

Electrical characteristics

Model	RY-5-S1	RY-10-S1	RY-15-S1	RY-20-S1
Nominal energy	5kWh	10kWh	15kWh	20kWh
Usable energy （90%DOD）	4.5kWh	9kWh	13.5kWh	18kWh
Rated voltage	51.2V	51.2V	51.2V	51.2V
Charge/discharge cut off voltage	46.4V~55.2V	46.4V~55.2V	46.4V~55.2V	46.4V~55.2V
Rated charge/discharge current	50A/50A	100A/100A	150A/150A	200A/200A
Max. charge/discharge current	100A/100A	180A/180A	200A/200A	200A/200A
Max. discharge power	4.64kW	9.28kW	9.28kW	9.28kW
Roundtrip efficiency	>95%	>95%	>95%	>95%
DC disconnect	Circuit breaker, 250A, 48V rating			
Connection method	Quick plug and unplug terminals			
User interface	Display battery running status, SOC, alarm information, WIFI status, heater status, etc.			
Protection features	Charging overvoltage protection, discharge under-voltage protection, over current protection, over temperature protection ,short circuit protection, etc.			
Communication interface	CAN 2.0 / RS485			

573mm

1542mm

189mm

Operating conditions

Installation location	Outdoor or indoor
Operating temperature	-10℃ to 50℃ (14℉ to 122℉)
Operating temperature (Recommended)	(59℉ to 86℉) 15 ℃ to 30℃
Storage temperature	(-22℉ to 140℉) -30 ℃ to 60℃
Humidity	10% to 95%,non condensation
Dimensions (W*H*D, mm)	573*(597/912/1227/1542)*189
Weight	65kg,115kg,165kg,215kg
Altitude	<2000m
Cooling	Natural convection
Enclosure rating	IP55
Warranty	10 years

Certificates

Safety	IEC62619/CE/UL1973/FCC/UL9540/ UL9540A
Transport	UN38.3