

# “Blade II”

## liquid-cooled DC ESS

- I&C ESS-318K-222
- I&C ESS-238K-222



**Global  
Certifications**



UN38.3



IEC

# I&C ESS



I&C ESS-318K-222



I&C ESS-238K-222

## SYSTEMS

Nominal Energy	318 kWh	238 kWh
DC side usable energy	$\geq 300$ kWh 0.5P/0.5P@BOL, 2.8~3.55 V, 25°C, FAT	$\geq 225$ kWh 0.5P/0.5P@BOL, 2.8~3.55 V, 25°C, FAT
Voltage range	627.2~795.2 V	470.4~596.4 V
System Energy Efficiency	DC side: $\geq 94\%$ ; 0.5P/0.5P, excluding auxiliary power consumption	DC side: $\geq 94\%$ ; 0.5P/0.5P, excluding auxiliary power consumption
Rated charge/ discharge power	$\leq 0.5P$	$\leq 0.5P$
Auxiliary power consumption	$\leq 5$ kW	$\leq 5$ kW
Maximum temperature difference at full power	$\leq 3^\circ\text{C}$	$\leq 3^\circ\text{C}$
System noise	$\leq 75$ dB @1m, 0.5P	$\leq 75$ dB @1m, 0.5P
Dimensions	$\leq 1500 \times 1300 \times 2300$ mm	$\leq 1500 \times 1300 \times 2300$ mm
Operating temperature range	$-30^\circ\text{C} \sim 55^\circ\text{C}$	$-30^\circ\text{C} \sim 55^\circ\text{C}$
Relative humidity	$\leq 95\%$ non-condensing	$\leq 95\%$ non-condensing
Altitude	$\leq 3000$ m	$\leq 3000$ m
IP level	IP55	IP55
Anti-corrosion grade	Default C3 (C4, C5 optional)	Default C3 (C4, C5 optional)
Weight	$\leq 3.4$ t	$\leq 2.9$ t