

RCT POWER CESS 4000

Large-Scale Energy Storage System

- Scalable building blocks for different applications and use cases
- Shoulder-to-shoulder design reduces land required to achieve a high energy dense site
- Configurable hybrid cooling system to maximise system performance while reducing auxiliary power consumption
- Designed for lowest installation and lifecycle cost



FEATURES

Optimised for large-scale deployments: GESS 4000 offers streamlined design, enabling more compact site layouts via multiple parallel units. The design maximises energy density per land space while performing efficiently—suited for global 2- to 8-hour applications—and reducing auxiliary power consumption.

Safety: GESS 4000 is designed with safety at the forefront. The platform is fitted an end-to-end fire safety approach, compliant with international safety standards, including NFPA 855.

High availability: GESS 4000 is designed for a long lifespan in all conditions with minimum service interventions. Features include the ability to withstand wind, seismic capabilities, and long duration surface treatment.

High-efficiency deployment: GESS 4000 is designed to minimise the amount of field wiring and civil work needed to deploy an ESS. Units are delivered to site fully-tested with integrated batteries and a cooling system. GESS 4000 is a 20-foot integrated container with ISO blocks, enabling standard equipment handling to deploy an energy storage system.

SPECIFICATION

Item	CESS 4000
Nominal energy	4073 kWh
Configuration	10P x 8S x52S
Voltage range	1164 – 1498 VDC
Nominal voltage	1331 VDC
Nominal C-rate	0.1 – 0.5 C
Auxiliary load voltage	480V 60Hz and 380–415V 50/60Hz 3-phase
Auxiliary peak load	30 kW
Weight	83775 / 38000 lbs/kg
Operating temperature	-30 +50°C
Footprint	20' high-cube ISO container
Dimensions(W*D*H)	6.1 x 2.4 x 2.8m
Noise	84 dBA at 1m
Coolant type	Water and glycol mix