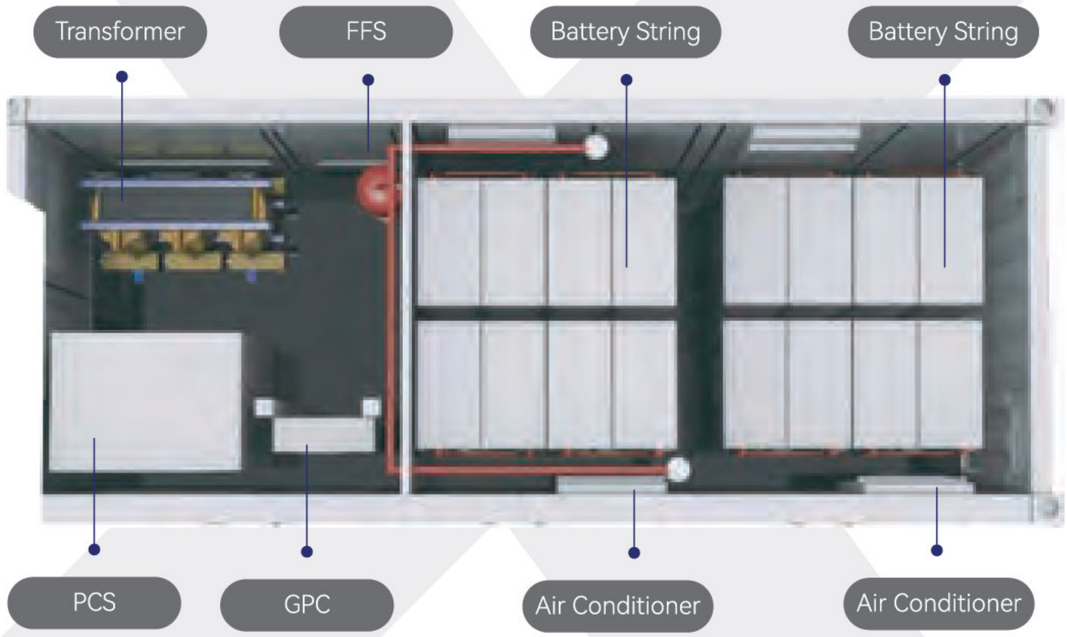
nRuiT
ENERGY SYSTEMS

CONTAINER ESS 500KW/1053KWH



MODELS	500kW/1053kWh
DC Data	
Cell Life Cycle	Lithium Iron Phosphate (LFP)
Cell Life Cycle	80% Retention with 6,000 Cycles @ 0.5C 25℃
Cell Spec	3.2V/280Ah
String Configuration	1P196S
Number Of Strings	6
Rated Energy Capacity	1053.696kWh
Rated Voltage	627.2V
Voltage Range	548.8V~695.8V
BMS Communication Interface	RS485 ,Ethernet
AC Data	
Rated AC Power	500kW
Rated Voltage	400V
Grid Voltage Range	320~460V(Configurable)
AC Rate Of Current	722A
Output THDi	< 3%
AC PF	0.1~1 leading or lagging (Controllable)
AC Output	3-Phase 4-Wire+PE
General Data	
Dimension[L*W*H]	6,058x2,438x2,591mm
Weight Of The Whole System	20t
Degree Of Protection	IP54
Relative Humidity	-20~40℃
Relative Humidity	0~95% (non-condensing)
Max Working Altitude	3000m/10000feet (> 2000m/6500feet derating)
Cooling Concept Of DC Hatch	HVAC
Fire Fighting System	NOVEC1230/FM-200
Communication Interfaces	RS485, Ethernet, GPRS

Fast Deploy

Container can be quickly deployed, easy for transport and install, can lowered the infrastructure and construction cost and shorten the construction time.

Smart Configuration

The container can be paired the with photovoltaic farm, wind turbine farm, electric grid, etc. It is a largemulti-function smart energy storage station.

High Safety Level

Comprehensive and multi-level battery protection strategies and troubleshooting measures are in place.

Modular Design

Various units can be easily combined together to satisfy the electricity needed by your business.