

20ft ESS CS20-B2981-E-R1M01

Standard 20ft container design, 1/2/8 channel output supported, applicable in 1C/0.5C scenarios, fully compatible with diversing PCS, minimize the maintenance space.



SYSTEM FEATURES

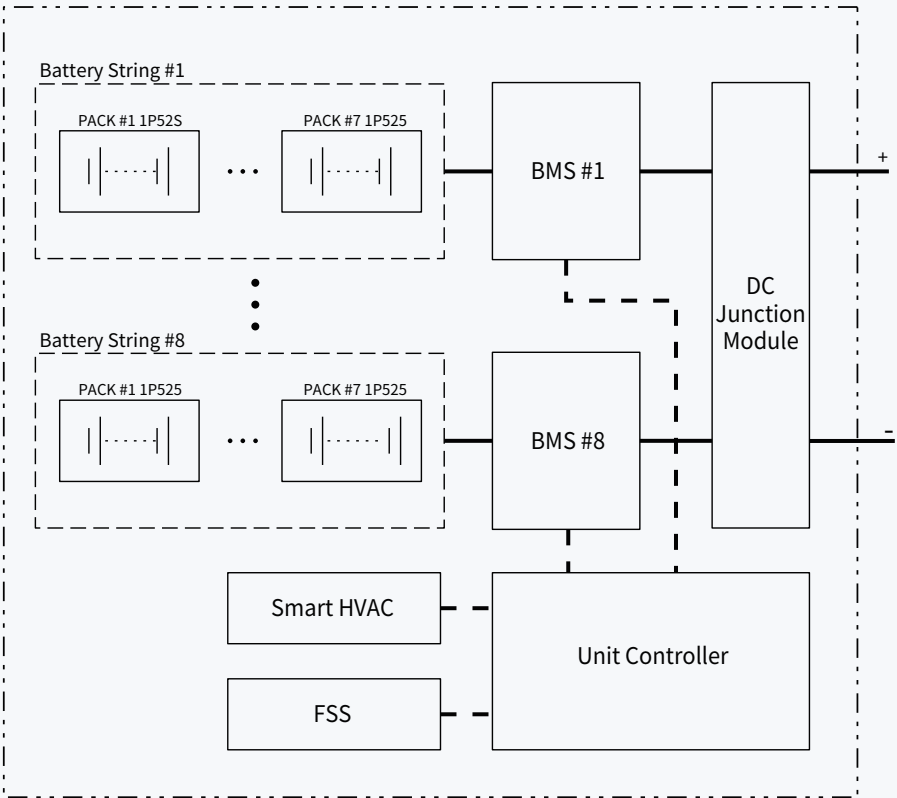


Lower Shipping Cost
20 feet standard container size.
Weight less than 35t.



Flexible Configuration
8 strings of batteries can be independently output.
Centralized combined application is also available.

CIRCUIT DIAGRAM



SYSTEM PARAMETERS

System Type	CS20-B2981-E-R1M01
DC Data	
Cell Type	LFP C15-320Ah
Pack Configuration	1P52S
String Configuration	1P364S (7×Pack)
System Configuration	8×1P364S
Battery Capacity (BOL)	2981kWh
DC Usable Energy @FAT	2777kWh
Nominal Voltage	1164.8Vdc
Battery Voltage Range	928.2Vdc ~ 1310.4Vdc
Nominal Power	2777kW
General Data	
Cabinet Type	Standard HQ
Dimensions (W×D×H mm)	6058×2438×2896
Weight	< 35T
IP Rating	IP55
Operating Temperature Range	-30°C ~ +55°C ^[1]
Relative Humidity	5% ~ 100%
Max. Working Altitude	< 2000m ^[2]
Cooling Concept	Liquid Cooling
Noise	≤75dBA
Fire Suppression System	With fire alarm system; NOVEC1230/ FM200/ Water Spray System are optional
Auxiliary Power Interface	AC 400/380V/50Hz; 3P4W
Aux. System Nominal Power	52kW
Peak Power of Auxiliary System	65kVA (@45°C, PF=0.8)
Communication Interface	Ethernet
Communication Protocol	Modbus TCP/IP
Standard Color	RAL 9003
Compliance	UN 38.3, UN 3536, UKCA, CE Marking, NFPA 69, IEC 62619, IEC 60356

Note:

[1] Power derating is performed when the ambient temperature is below -15°C or above +45°C.

[2] Power derating is performed when the altitude is >2000m.