Project Design for the DC Block Solution

Scope of supply

No.	Device	Specification	Qn.	Unit	Remark
1	**Hyper-Block III DC Block 12-rack**	**5.015MWh Liquid-cooling BESS container**	**249**	**set**	**Each system consists of 1.1~1.6**
1.1	Battery rack	1P416S,1040V~1500V,Rated energy: 418kWh Cell : ≥314Ah@25℃,0.25P,BOL	12	pcs	Cell from EVE
1.2	BMS	HyperBMS V2.1	1	set	/
1.3	Liquid-cooling system	>50kW liquid cooling machine & self-design double ring cooling pipes	1	set	/
1.4	Fire Suppression System	Smoke detection; Water dry pipe; Heat detection; Flammable gas detection; Venting system; Aerosol fire suppression.	1	set	Compliant to NFPA855
1.5	BCP	Include control, distribution and communication area, AC switch box	1	pcs	/
1.6	20ft Container	6058*2438*2896mm	1	pcs	/
2	**EPC PCS Skid**	**4.833MVA MVPS**	**83**	**set**	**Each system consists of 2.1~2.3**
2.1	PCS	4.833 MVA Power conversion system	1	unit	
2.2	Transformer	≥4.833MVA step-up transformer, 0.69kV/34.5KV	1	unit	
2.3	Switchgear	34.5kV MV switchgear	1	set	
3	**EMS**	**Energy management system**	**1**	**set**	