

Main Equipment

	Specification	Function & Feature
EMS	SCADA + Application	Battery SOC management, Forecasting of load & renewable energy, Direct load control, Automation
GFI (Grid Forming Inverter)	500kVA*2, 250kVA*1	Frequency & voltage control, P/Q control 500kVA #2 : Backup, 250kVA : for shortage of rating
Battery	3MWh, Li-ion	Electrical energy storage, 1C-rate, NMC type 3 GFIs are connected to 3MWh in parallel.
WT	100kW*4	PMSG+Full converter, Power limitation, Power factor & Voltage control, Slew rate, LVRT, FRT
PV	314kW(8ea)	Power limitation, Monitoring of each module, Water floating PV system for limited site
Diesel Gen.	100kW*3	Droop control, Remote on/off
Load	Water pump Air conditioner	Water tank is used to energy storage. Battery room temp. control using surplus energy.