

# C&I ESS Product Particles and Proposal



Novavolt - Sedeste Group



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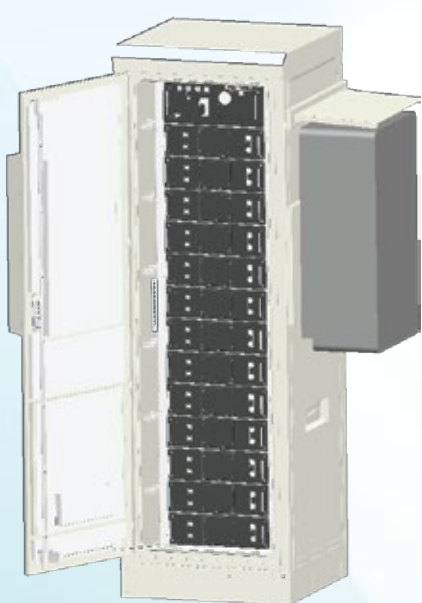


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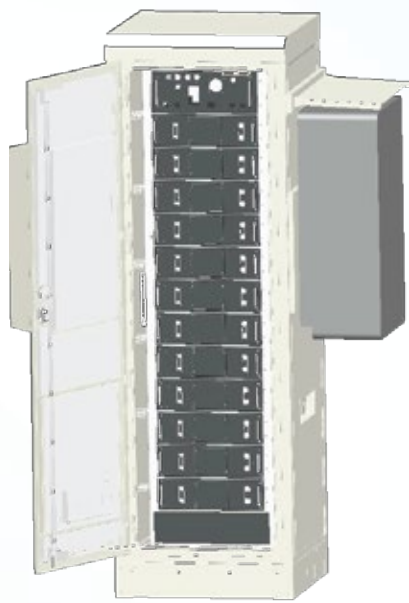


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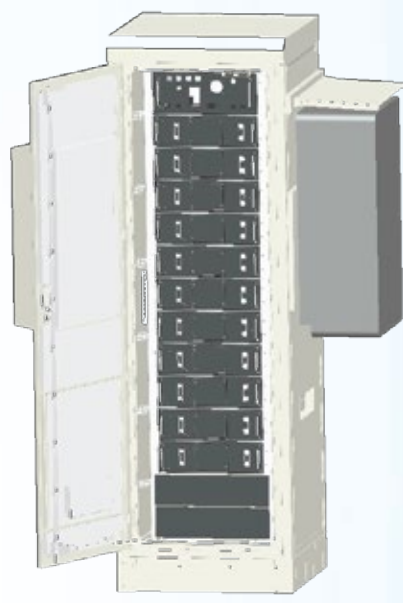
## TG-eBlock-xxF series Small size C&amp;I outdoor cabinet



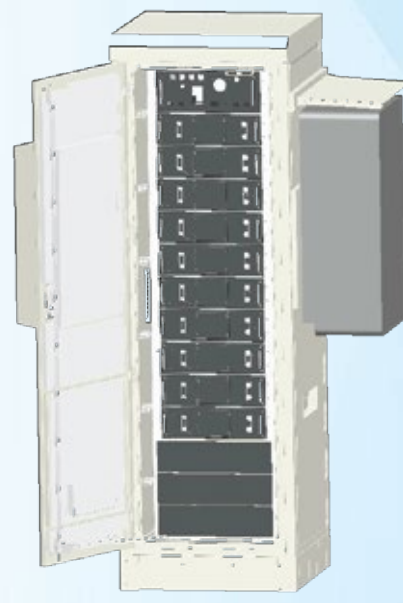
15/20/2530kW+66kWh



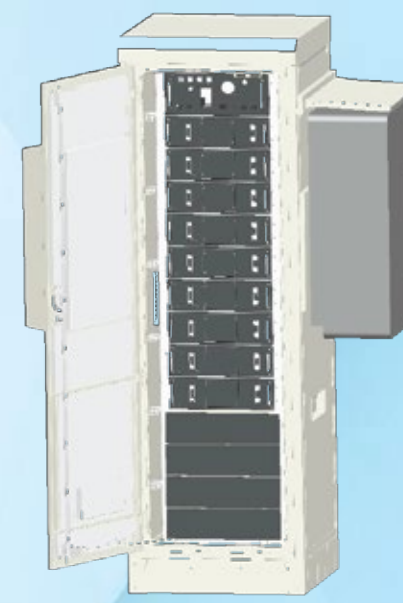
15/20/2530kW+61kWh



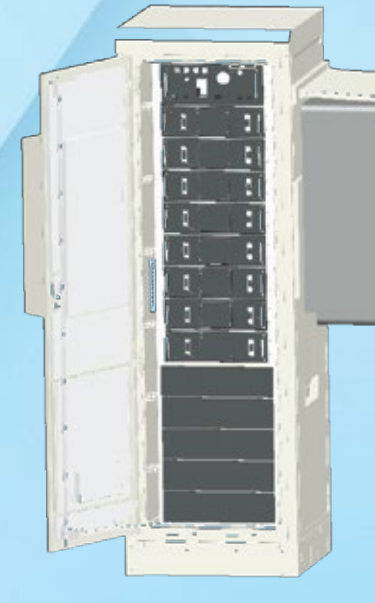
20/25/30kW+56kWh



15/20/25/30kW+51kWh



15/20/25+46kWh



15/20/25+41kWh

The lead time of full system: About 20 days

**TG-eBlock-xxF series Small size C&I outdoor cabinet**

The output power of hybrid inverters are :

30kW/40kW/50kW (optional)

System energy : 107kWh/92kWh

Compatible inverter brands : DEYE、Solis、Afore

The lead time of full system: About 20 days

Combination Solution 1  
30/40/50kW+184/214kWh  
30/40/50kW+276/321kWh

Combination Solution 2  
150kW/321kWh

**TG-eBlock-xxF series Small size C&I outdoor cabinet****Electric cabinet combination solution**

The output power of hybrid inverters: 50kW

System energy : 143kWh/179kWh/196KWh

Compatible inverter brands : DEYE、Solis、Afore

The lead time of full system: About 20 days

Energy Cabinet : 250KW PCS+180kW

MPPT+500kW STS+ Isolation transformer

Energy cabinet : 482kWh-784kWh

The lead time of system: About 30 days

**TG-eBlock-xxF series Small size C&I outdoor cabinet**


On-grid solution (10 Sets)

PCS Power: 100kW/125kW

MPPT Power: 120KW (Can be customized)

STS Power: 250kW (Can be customized)

System energy: 215KW/241KW

Compatible PCS brands: GSSTES、YUNT

The lead time of full system: About 20 days

250kW~1MW/430kWh~2.79MWh

The lead time of Combiner Box: 25 days

Energy Cabinet: About 20 days

Hybrid solution (String solution)

200kW~600kW / 430kWh~1.290kWh

STS Cabinet (ATS): 25 days

PCS Cabinet (Isolation transformer :

25 days

Energy Cabinet (MPPT): 20 days



**TG-eBlock-xxF series Small size C&I outdoor cabinet**


On-grid solution (10 sets)

Bybrid solution (String solution)

PCS Power : 100kW/125kW

MPPT Power : 120KW (Can be customzied)

STS Power : 250kW (Can be customized)

System Energy : 215KW/241KW

Compitable PCS brands : GSSTES、YUNT

The lead time of full system: About 20 days

250kW~1MW/430kWh~2.79MWh

The lead time of Combiner Box: 25 days

Energy Cabinet: 20 days

200kW~600kW / 430kWh~1.290kWh

STS Cabinet (ATS) : 25 days

PCS Cabinet (Isolation transformer):

25 days

Energy Cabinet (MPPT): 20 days

**TG-eBank-xxLS2 Liquid cooled series C&I Outdoor Cabinet**

For domestic market (All in one)

PCS Power: 100kW/125kW

System energy: 233KW/261KW

Compatible PCS brands : GSSTES、YUNT

The lead time of full system: 25 days



For domestic market (All in one)

PCS Power: 100kW/125kW

MPPT Power: 120kW

STS Power: 250kW

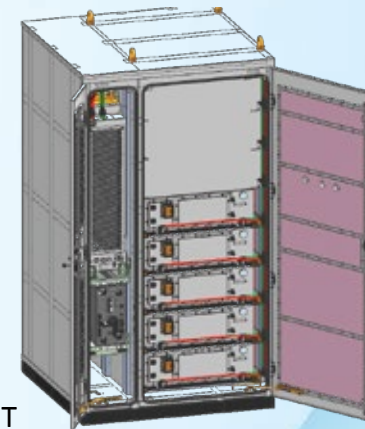
System Energy: 233KW/261KW

Compatible PCS brands : GSSTES、YUNT

The lead time of full system: 25 days



Pure electric cabinet combination solution (Energy Cabinet+Liquid cooled ESS)



Energy cabinet: 250kW-1000kW

STS Cabinet: 500-1000kW (Isolation transformer)

Energy cabinet: 466kWh~2610kWh

The lead time of energy cabinet : 25 days

The lead time of STS cabinet : 25 days

The lead time of ESS: 35 days

### AC cooled solutions



AC cooled cluster

Battery Pack: 64V280Ah/314Ah

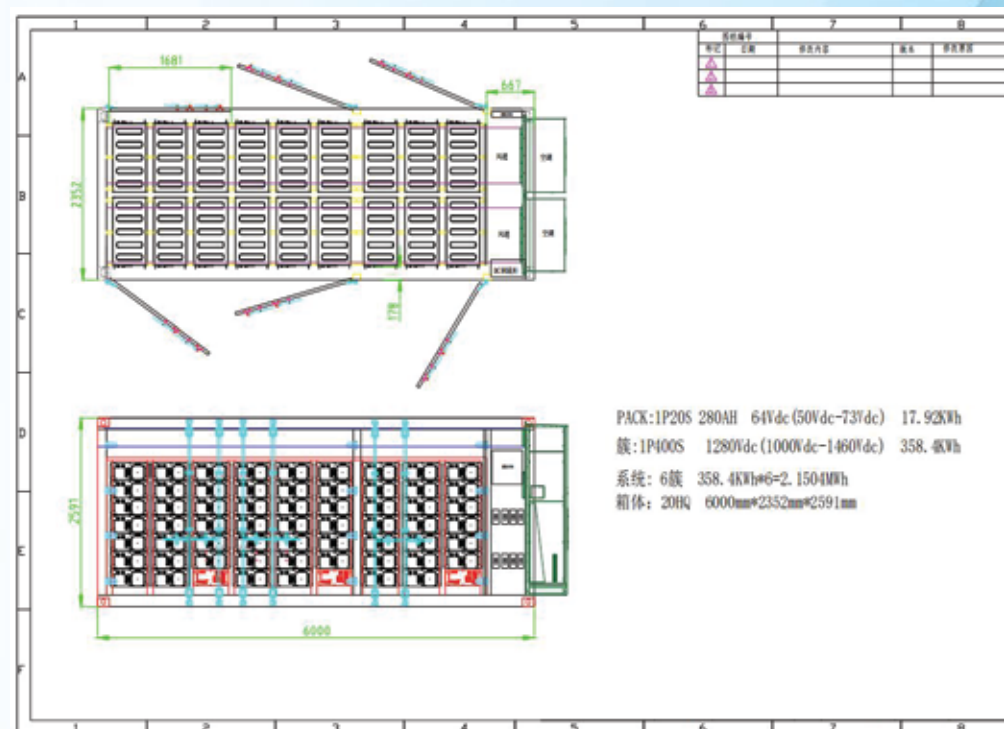
Cluster capacity: 215kWh/241kWh

The lead time of cluster: 15 days



20ft AC cooled container

Cluster 215kWh\*12/241kWh\*12





### AC cooled solution combination solution

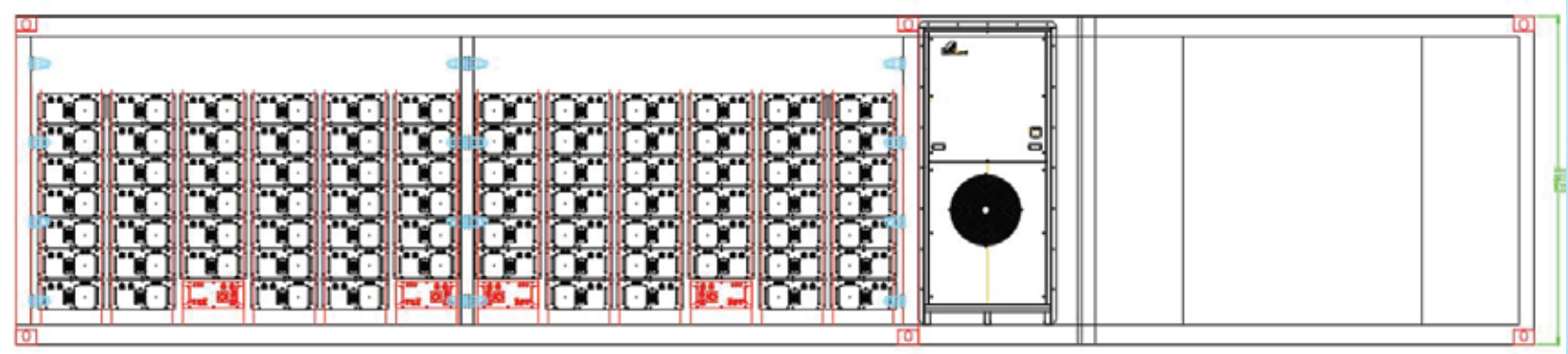


AC cooled cluster

Pack: 64V280Ah/314Ah

Cluster capacity : 215kWh/241kWh

The lead time of cluster: 15 days



20ft container

500kW/1.44MWh(Centralized Solution)

that including :

- 1) Clusters\*6 sets, 1.928MWh
- 2) Combiner box\*1 set
- 3) Megarevo 500kW PCS 1 set
- 4) Megarevo 480kW MPPT 1 set

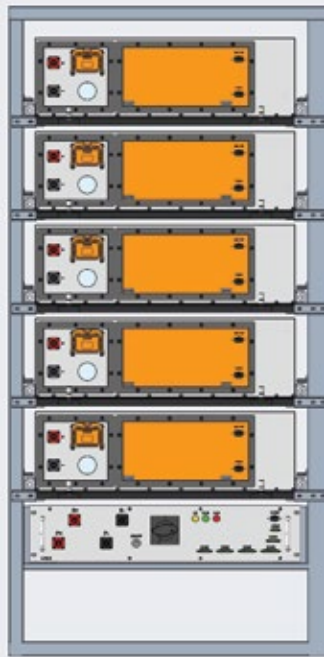
The lead time of system : 30 days

20ft Container 750kW/1.44MWh(String solution)

That including:

- 1) Cluster\*6 sets, 1.928MWh
- 2) YUNT 750KW PCS cabinet (125kW\*6) 1 set
- 3) YUNT 1000kW STS cabinet 1 set
- 4) YUNT 480kW MPPT cabinet 1 set

The lead time of system: about 35 days

**Liquid cooled cluster solution**

Liquid cooled cluster

Pack: 166.4V280Ah/314Ah

Cluster capacity : 232.3kWh/261kWh

The lead time of cluster: 20 days



20ft Container 500kW/1.44MWh(Centralized)

that including:

- 1) 6PCS of Clusters, 1.928MWh
- 2) 1PCS of Combiner Box
- 3) Megarevo 500kW PCS 1 set
- 4) Megarevo 480kW MPPT 1 set

The lead time of full system: 30 days

20ft Container 750kW/1.44MWh(string solution)

that including:

- 1) 6PCS of clusters: 1.928MWh
- 2) YUNT 750KW PCS cabinte (125kW\*6) 1set
- 3) YUNT 1000kW STS cabinet 1 set
- 4) YUNT 480kW MPPT cabinet 1 set

The lead time of full system: about 35 days

## Contabainer Energy Storage System



2.15/2.4MWh ESS container

Including 768V215kWh/241kWh

Cluster\*10 sets

1 set of DC combiner box

The lead time of DC side container  
box: 35 days



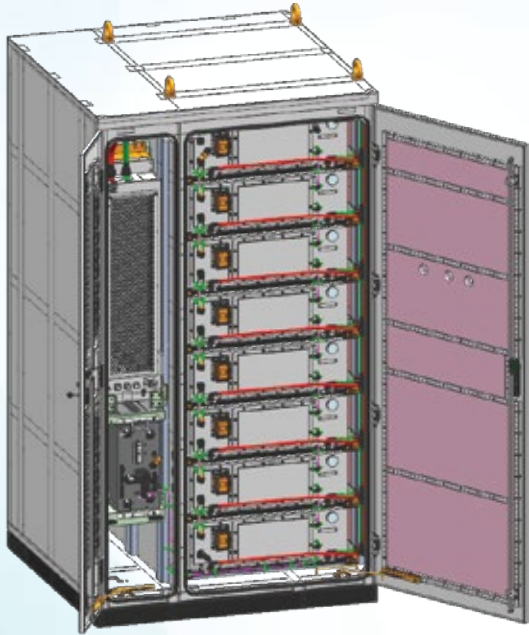
Electric cabinet

Solution 1 :

Megarevo 500kW PCS \*2

480 MPPT cabinet \*1 set

The lead time of electric cabinet: 30 days

**TG-eBlock-417L (Distributed liquid cooled electric cabinet)**

Battery Cabinet:

Rated Voltage: 1331.2V

Rated Energy: 417kWh

IP Class: IP54

Lead Time: 30 days



Combination Solution

Can be configured to string or  
centralized solution

PCS boost all in one system,  
composition system.



**TG-eBlock-417L (Distributed liquid cooled electric cabinet)**

Cluster

Rated Voltage: 1280V

Rated Energy 358kWh/401.9kWh

Lead time: 20 days



20ft DC side container box





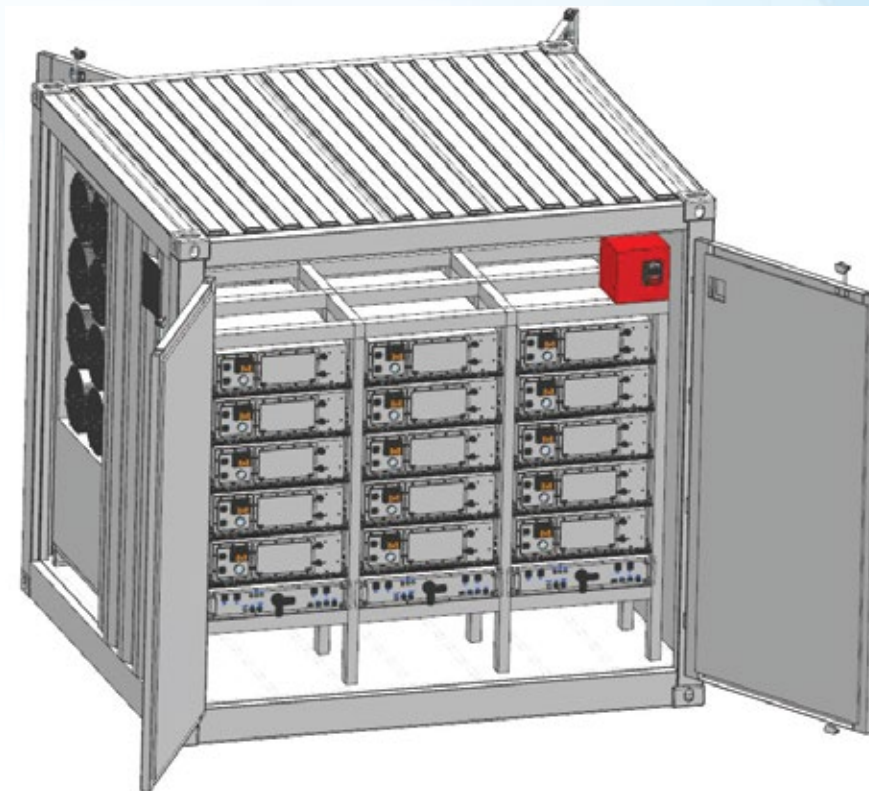
Total Capacity: 5MWh



PCS Cabinet (IP20)

500kW (With isolation transformer and switching feature)

Lead time: About 20 days



Combined with a 1000VDC cluster, assembled in a 10ft cabinet.

Combined into a 250kW, 783kWh system.

The lead time of system: about 35 days.



500-750KW PCS Cabinet (IP54)  
(With isolation transformer and switching  
feature)

Lead time: about 30 days



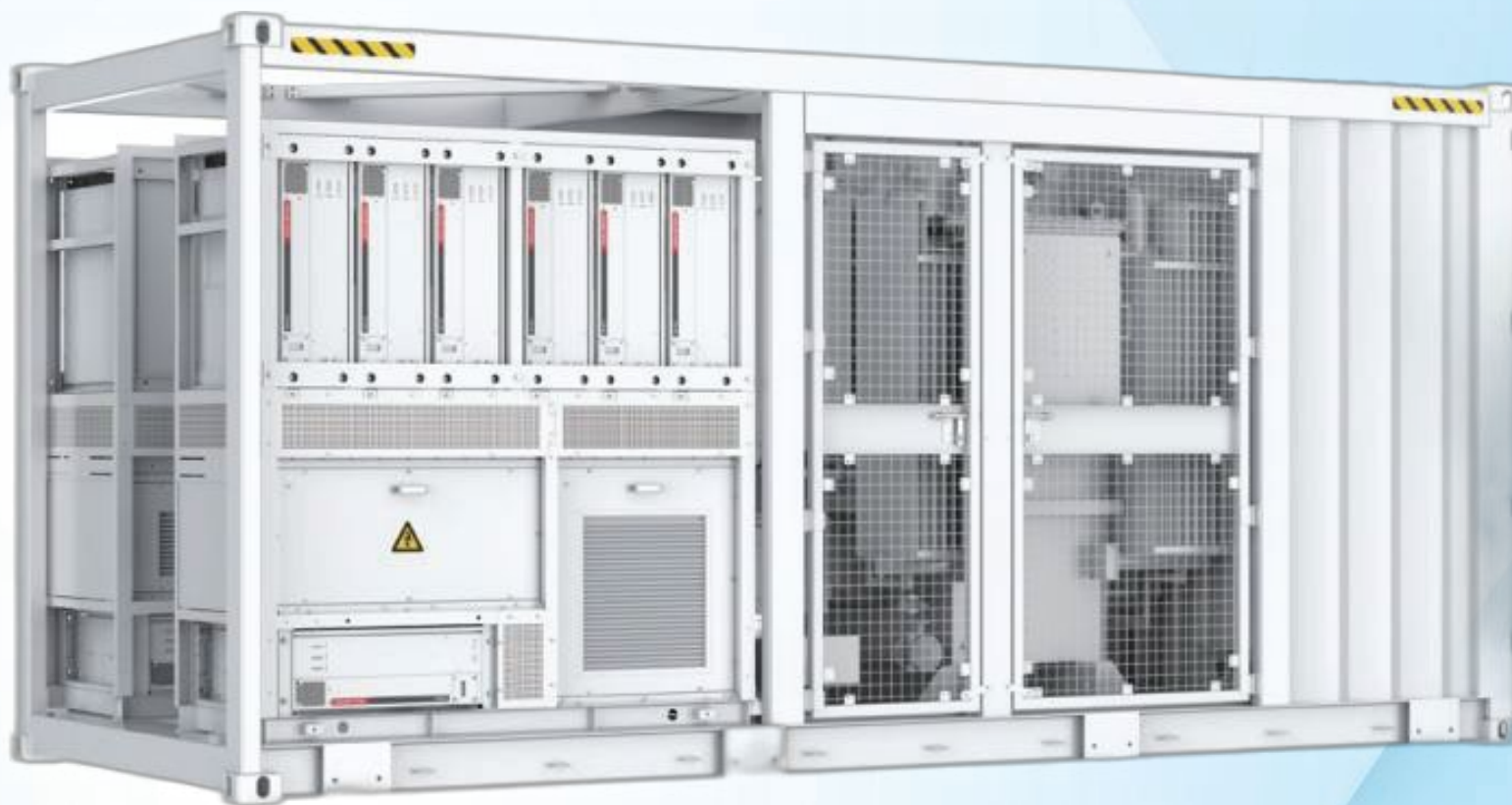
360-480KW PCS cabinet (IP54)

Lead time: (30 days)



1000KW PCS cabinet (IP54)

Lead time: about 30 days



String boost integrated container solution

Lead time: (about 45 days)



