

Utility

Utilities Pro

1. Latest integration

Utilities projects req...
battery containers, a...
the field.

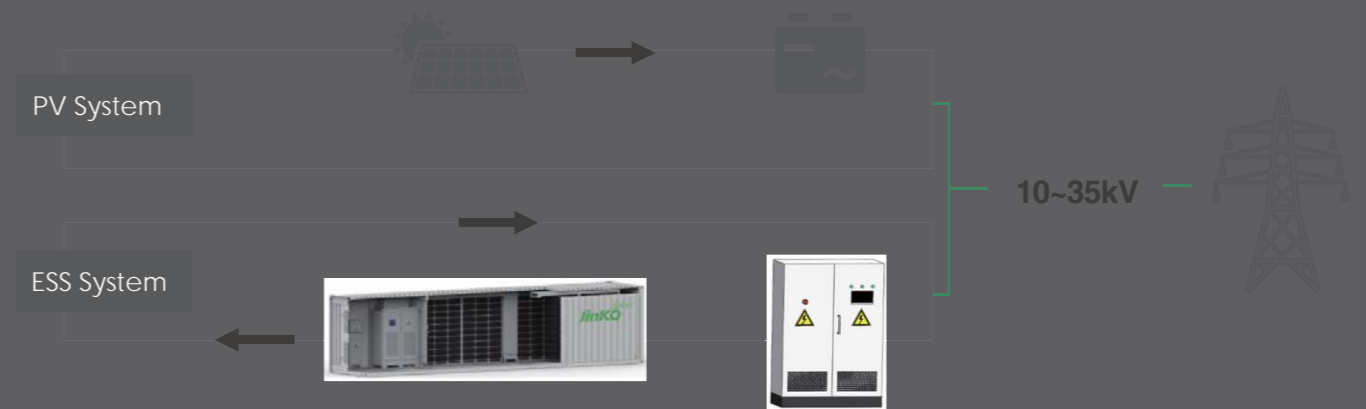
2. Top level ener

JESS is constan...
5mwh of ener...
and pack d...

3. Long pr

We exte...
are abl...

Circuit Diagram



Battery Energy Storage System

Energy Storage Container Configuration

System could be designed according to different Pack/Rack combination.



| | | | |
|-------------------------------------|---|--------------|--------------|
| Rated Voltage | 665.6V | 729.6V | 716.8V |
| Operating voltage range | 582.4-748.8V | 638.4-820.8V | 627.2-806.4V |
| Operating ambient temperature range | -20 45 | | |
| DC efficiency | 94% (Max) | | |
| Altitude | 2000m/ 5000m | | |
| Cycle life | 4000 25 , 1C charge/discharge, 80%DOD, EOL 80% , 6000 25 , 1C charge/discharge, 60%DOD, EOL 70% | | |
| Calendar life | 10 years | | |
| Rated charge/discharge C rate | 1C | 0.5C | |

PCS + Battery

Utility ESS System Specification



| | | | | |
|-------------------------------------|---|-----------------|----------------|-----------------|
| AC Rated Voltage | 400V | 315V | 315V | 315V |
| Rated frequency | 50/60Hz | 50/60Hz | 50/60Hz | 50/60Hz |
| DC Rated Voltage | 716.8V | 716.8V | 652.8V | 614.4V |
| Connection Mode | 3-phase 4-wire | 3-phase 3-wire | 3-phase 3-wire | 3-phase 3-wire |
| Isolation Mode | Transformer | Transformerless | Transformer | Transformerless |
| Operating ambient temperature range | -20-45 | | | |
| Allowable relative humidity range | 5~95%non-condensing | | | |
| Altitude | 2000m | | | |
| Cycle life | 4000 25 , 1C charge/discharge, 80%DOD, EOL 80% , 6000 25 , 1C charge/discharge, 60%DOD, EOL 70% | | | |
| Calendar life | 10 Years | | | |
| AC Efficiency | 88% | | | |
| Protection Degree | IP54 | | | |
| 20 Foot high container | 1 | 1 | \ | \ |
| 40 Foot high container | \ | \ | 1 | 1 |