Utility On Grid ESS

Utilities Product Platform

1. Latest integration technology:

Utilities projects require fast installation and commissioning. Jinko offers standard 20ft and 40ft battery containers, as well as other modular design to ensure quick transportation and integration in the field

2. Top level energy density:

JESS is constantly striving for higher energy density solutions. Our latest design offers more than 5mwh of energy in a 40ft container. This is possible through selection of high energy density cell, and pack design.

3. Long product life:

We extensively model different application scenario. Together with project historical data, we are able to maximize system life design.

Multilevel protection strategy	Rapid installation and deployment
Integrated battery platform with safety and reliability	Modular design, flexible configuration, suitable for multiple scenarios



Application

Ancillary services Transmission and distribution services

Behind-the-meter ployment energy management Microgrid applications

Module Inverter

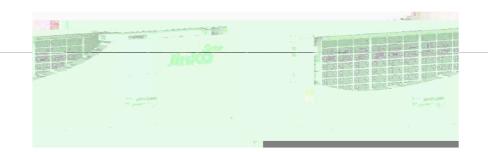
Grid

Battery PCS



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	XY (Max)				
Altitude	22 OIL T0000III				
Cycle life	4000 25 1C 80%DOD EOL 60% ,6000 25 1C 60%DOD EOL 70% 4000 25 ,1C charge/disch .ge, 80%DOD, EOL 60% ,6000 25 ,1C charge/disch .ge, 60%DOD, EOL 70%				
Calendar life	10 years				
Rated charge/discharge C rate	10		0.50		

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	5~98 Ynon-e-indensing				
Altitude	SOUTH-				
Cycle life	4000 25 , 1C charge/discharge, 80%DOD, EOL 60% , 6190 25 , 1C charge/discharge, 60%DOD, EOL 70%				
Calender life	10 Vears				
AC Efficiency	0070				
Protection Degree	IP54				
20 Foot high container	1	1	\	\	
40 Foot high container	\	\	1	1	