IQ_arc 3060 IQ_arc 5060

ballastIQ_arc

High Voltage Cabinet Energy Storage System

- Modular Power System Platform with a stable discharge platform, excellent safety performance and long cycle life.
- The BMS battery management system supports overcharge, over-discharge, over-voltage and other functional protections.
- Modular design supports expansion and maintenance.
- Equipped with ballastIQ_integrate which can remotely view and manage system parameters.
- Optional with EMS (Customized microgrid energy management system, including energy storage, photovoltaic, grid, load, generator, video monitoring, etc.).

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IQ_arc Series

MODULE	BlockArk 3060	BlockArk 5060
Battery parameters		
Number of battery packs	12V	
Rated voltage	614.4V	
Voltage range	537.5~691.2V	
Rated energy	60kWh	
Max. charging & discharging current	100A	
Communication	RS485/CAN	
Cycle life	6000times	
PV parameters		
Max.PV input power	39kW	65kW
Rated input voltage	600VDC	
Max.input voltage	1000VDC	
MPPT voltage range	200~850VDC	
PV input current	36+36+36(A)	36+36+36+36(A)
AC side parameters		
AC rated input/output power	30kVA	50kVA
AC Max. input/output power	33kVA	55kVA
AC rated input/output current	45.6A	75.8A
AC Max. input/output power	60A	83.3A
Voltage	3L/N/PE; 230/400V	
Frequency	50/60Hz	
THDi	≤3%	
Power Factor	0.8 leading to 0.8 lagging	
System parameters		
Dimension (W*H*D)	1200×2160×750mm	
Weight	860kg	880kg
Communication	CAN/RS485/WiFi/ETH	
Warranty	5 years	
Enclosure protection rating	IP55	
Cooling	Air cooling	
Environment temperature	-30~50°C	

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Humidity	10%~95%RH
Altitude	<2000m
Certifications	UN38.3/CE/IEC62619/VDE-AR-N 4105/IEC 62109

Expansion

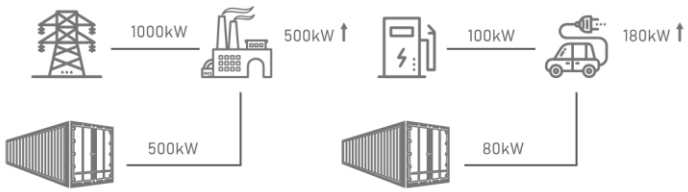
Expansion in DC side

Expansion in AC side

Power Expansion

Discharge when the distribution capacity cannot meet the load demand to achieve the effect of virtual capacity expansion.

Factory Charging Station



Wind and Solar Energy Consumption

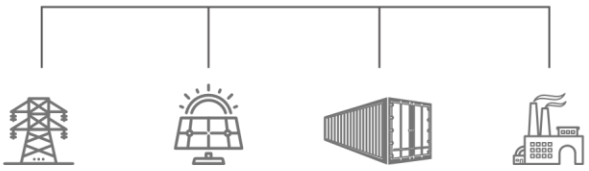
Storing the surplus power emitted by the PV during the day for discharging at night.

PV Power Station Wind Power Station Hybrid Charging

Solar & Energy Microgrid

Can realize electricity saving. Applications such as backup power supply provide stable power in areas that cannot be connected to the grid, such as islands and mountainous areas.

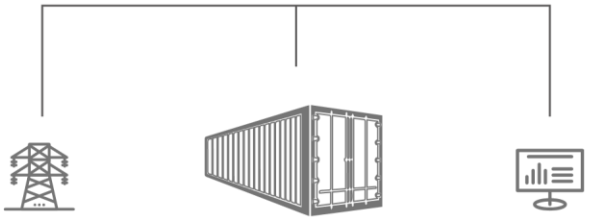
Factory Charging Station Remote Area



Demand Response

Enable power grid dispatching, entitle dispatching subsidies.

Factory Office Block Shopping Mall



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