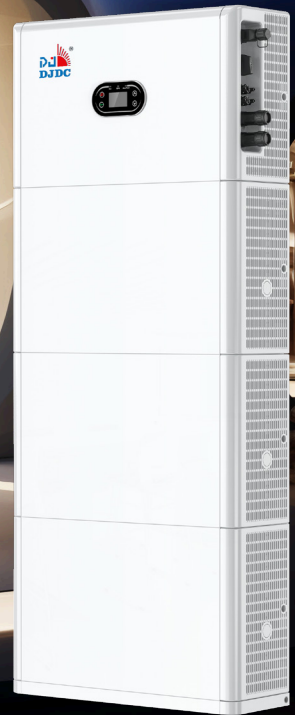




Solar Energy Storage System

Lithium Battery

5.12kW to 15.36kW



Key Features

✓ Efficient Higher Revenue

- Max. efficiency 97.5%
- 2 MPP trackers, 160% DC input oversizing
- Max. charging/discharging current 100A for faster power backup
- Max. PV input current 16A, compatible with high-power modules

✓ Reliable Worry-Free

- DC & AC Type II SPD prevent lightning damage
- High ingress protection rating of IP65 supports outdoor installation
- Smart I-V Curve Diagnosis Function locate PV string faults accurately and automatically detect faults
- EPS Switching Under 10ms, UPS-level switching

✓ Flexible Abundant Configuration

- Easy-install, quick-stack design
- Modular design allows for scalability and customization
- Multiple working modes and support parallel access to PV, batteries, normal loads, EV chargers, and grids
- Support RS485/CAN/WiFi/4G/LAN/Bluetooth optional remote monitoring and operation via PC or mobile

TECHNICAL DATA



Input Battery			
Battery Type	LFP		
Battery Energy	5.12kWh	10.24kWh	15.36kWh
Number of Batteries	1	2	3
Dimension (W X H X D)	640 x 875 x 210 mm	640 x 1250 x 210 mm	640 x 1625 x 210 mm
Battery Voltage	51.2V		
Voltage Range	43.2V ~ 56.16V		
Max. Charging / Discharging Current	100A		

INVERTER MODULE	XD3KTL-AIO	XD3K6TL-AIO	XD4KTL-AIO	XD4K6TL-AIO	XD5KTL-AIO	XD6KTL-AIO
Input PV						
Max. PV Input Power	4.5kW	5.4kW	6kW	6.9kW	7.5kW	9kW
Max. PV Input Voltage	600V					
Start-Up Voltage	100V					
MPPT Voltage Range	100V ~ 550V					
Number of MPP Trackers / String Per MPPT	2 / 1					
Max. PV Input Current	16A					
Max. Short Circuit Current Per MPPT	24A					
Output AC						
Rated Output Power	3kW	3.68kW	4kW	4.6kW	5kW	6kW
Max. Output Power	3.3kVA	3.68kVA	4.4kVA	4.6kVA	5.5kVA	6kVA
Max. Output Current	15A	16A	20A	20.9A	22.7A	26.1A
Rated Voltage	230V					
Rated Frequency	50Hz / 60Hz					
THDi(@Rated Power)	< 3%					
Power Factor	0.8 leading ~ 0.8 lagging					
Output EPS						
Max. Output Power	3kVA	3.68kVA	4kVA	4.6kVA	5kVA	6kVA
Max. Output Current	15A	16A	20A	20.9A	22.7A	30A
Peak Output Power Time	4.5kW, 10s	5.5kW, 10s	6kW, 10s	6.9kW, 10s	7.5kW, 10s	7.5kW, 10s
Rated Voltage Frequency	230V, 50Hz					
THDv(@Rated Power)	< 3%					
Switch Time	< 10ms					
Efficiency						
Max. Efficiency	97.50%					
EU Efficiency	97.20%					
Max. Battery Charge/Discharge Efficiency	95.00%					
Protection						
Protection	DC Reverse Polarity Protection, Insulation Resistance Monitoring, Ground Fault Over Current / Over Voltage Protection, Battery Soft Start Protection Monitoring,					
AFCI Protection	Optional					
Surge Protection	Type II					
General Data						
Operating Temperature Range	-10°C ~ +45°C					
Self-Consumption	< 10W					
Protection Degree	IP65					
Relative Humidity	0 ~ 100%					
Display	LCD					
Communication	RS485 / CAN / WIFI / 4G / LAN / Bluetooth					
Max. Operating Altitude	4000m					
Cooling Method	Natural					

Solar Energy Storage System

Lithium Battery

24V100Ah



Key Features

- ✓ **Display and Monitoring**
Smart Display and Bluetooth app support for monitoring
- ✓ **Service Life**
6000 Deep Cycle
- ✓ **Voltage Range**
25.6V - 29.2V
- ✓ **Operating Temperature**
Charge at 0°C - 45°C, discharge at -20°C - 60°C
- ✓ **Light Weight**
44.75 lbs (20.5 kg),
only 1/3 the weight of lead-acid batteries
- ✓ **Protection Level**
IP66 waterproof
- ✓ **Charge and Discharge Capability**
100% State of Charge (SOC) and
100% Depth of Discharge (DOD)



Smart Display



Bluetooth Connectivity



Over Voltage Protection



Over Heat Protection



Short Circuit Protection



Over Charge Protection



Over Discharge Protection



Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied with this data. For clarification and updated information, please contact us.

Model	DJDC 24V100AH
Nominal Voltage	25.6V
Rated Capacity	100Ah
Battery Energy	2560Wh
Recommend Charge Current	20A
Max Charge Current	50A
Max Continuous Discharge Current	100A
Charge Temperature Range	0-45°C
Discharge Temperature Range	-20-60°C
Recommend Charge Voltage	14.4V±0.2V
Max Charge Voltage	29.2V
Discharge Cut-Off Voltage	21.6V
Cell Type	LiFePO4 Prismatic A grade
Certification	CE/FCC/ROHS/UN38.3/MSDS
Internal Resistance (mΩ)	≤18mΩ
Protection	BMS
Communication Interference	Smart Display and Bluetooth
Cycle Life	6000 Cycles@80%
Terminal	M8, 9/16L, 5/16D(inch)
Protection Level	IP66
Battery Size (LxWxH) mm	522x240x218
Battery Weight (Kg)	20.5

Wide Applications

- Recreational Vehicle
- Off-Grid Systems
- Trolling Motor
- Golf Cart
- Emergency Power Back-up

Dimension

