

Solar Energy Storage System

Wall-mounted Energy Storage Battery with 24V100Ah

Electrical Performance

Nominal Voltage	24V
Nominal Capacity	100Ah
Energy	2560Wh
Communication	RS232/RS485/CAN
Resistance	≤10mΩ
Cycle life	5000 cycles@80%
Protection	BMS

Full Charge Voltage (FC)	29.2V
Full Discharge Voltage (FD)	20V
Rated Discharging Current	20A
Max Discharging Current	100A
Charge Voltage	29.2V
Charge Current	20A
Maximum Charge Current	100A



Wall-mounted Energy Storage Battery

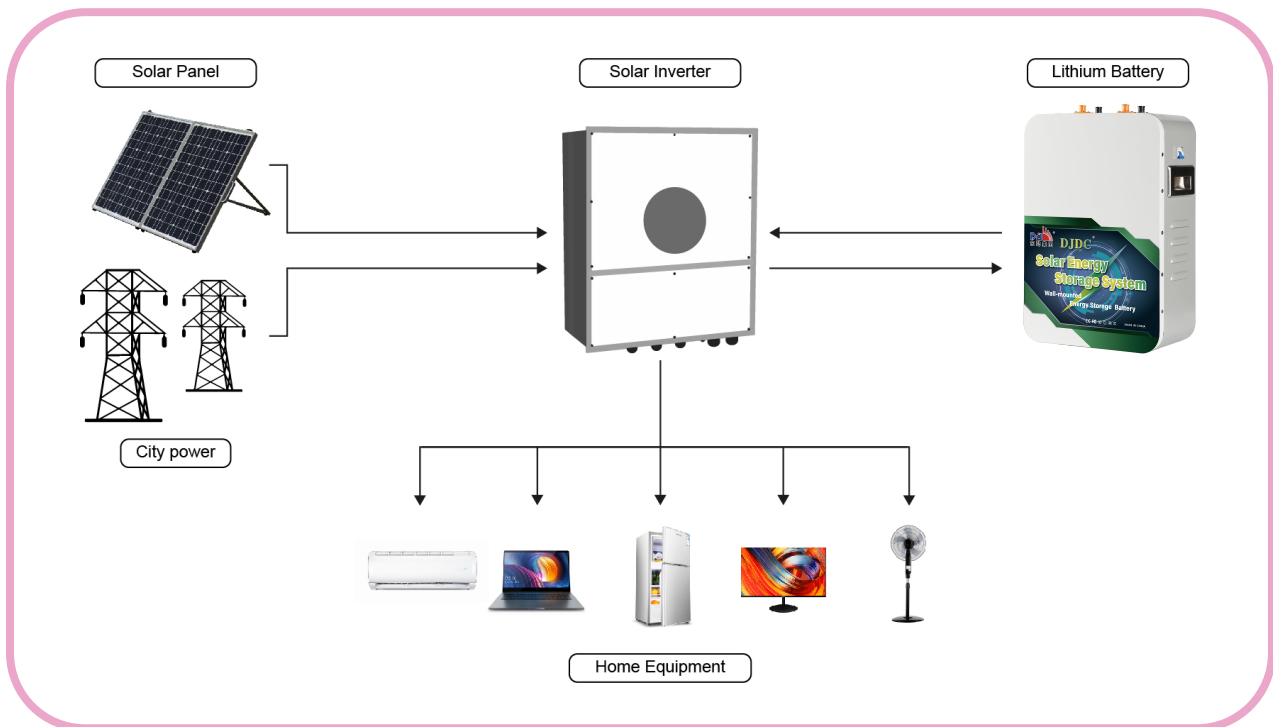
Standard Charge Method	0.2C cC (Constant current) charge to FC, cv (Constant voltage FC) charge till charge current decline to <0.05C
Display	LCD
Charge temperature range	0~45°C
Discharge temperatre range	-20°C~60°C
Dimension, D×W×H (mm)	495×315×170mm
Net Weight (kgs)	27

Outline Dimension



Performance may vary depending on application .All specifications are subject to change witout prior notice to the user.This data is or evaluation purposes only. No guarantee is intended or implied this data. For clarification and updated information, please contact us.

System Diagram



Features

High cycle life

5000 cycles@80% for effectively lower total of ownership cost.

Longer service life

Low maintenance batteries with stable chemistry.

Built in circuit protection

Built in protection for over-charge, over-discharge & over-temperature.

Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.

More adapters

Compatible with most inverters and chargers.

Communication interface

CAN Bus, fully integrates and communicates with leading Inverter brands.

Applications

Solar Storage
Switching applications and more
Base transceiver station
communication equipments
Central office
Telecommunication systems.
Electronic cash registers
Microprocessor based office
machine
UPS

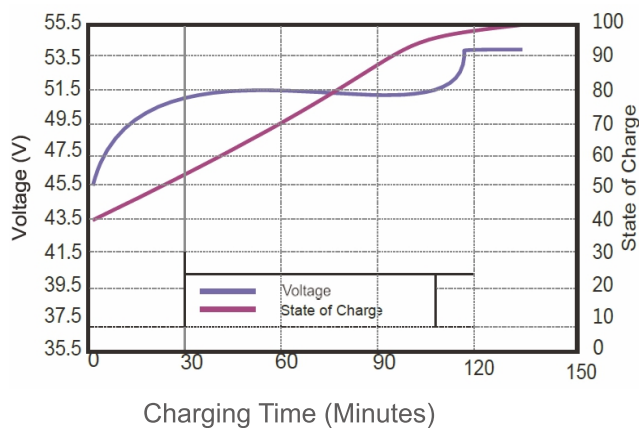
Cautions

Do not short circuit, reverse polarity, crush or disassemble.
Do not heat or incinerate.
Do not immerse in any liquid.

Curve

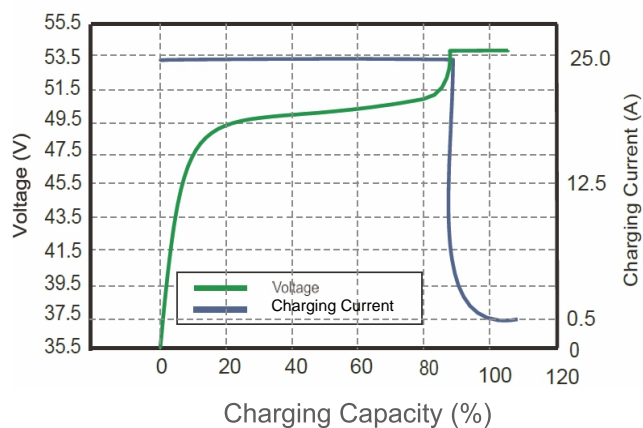
State of Charge Curve

State of Charge Curve @0.5C 25°C



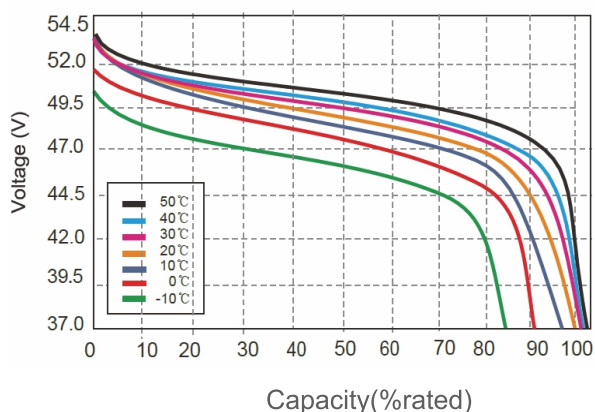
Charging Characteristics

Charging Characteristics @0.5C 25°C



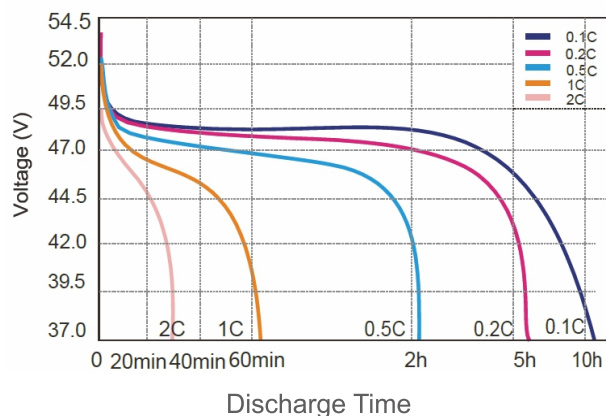
Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



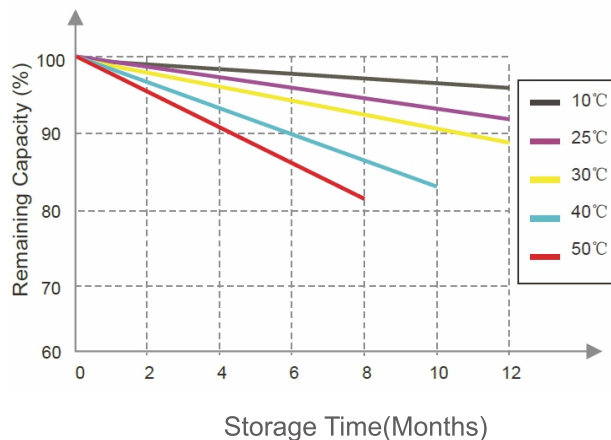
Different Rate Discharge Curve

Different Rate Discharge Curve @25°C



Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve



Cycle Life Curve

Different DOD Discharge Cycle Life Curve @0.2C

