



Residential DC-Coupled Battery

BX6.3_DD / BX12.6_DD

Product Features

- High reliability Li-ion battery with 6.3 / 12.6 kWh capacity
- Scalable battery module up to 12.6 kWh
- IP65 and robust design that can withstand 5000 kg shock
- Wide operation temperature (-10°C to 45°C)
- Compatible with Delta Battery-Ready Inverters



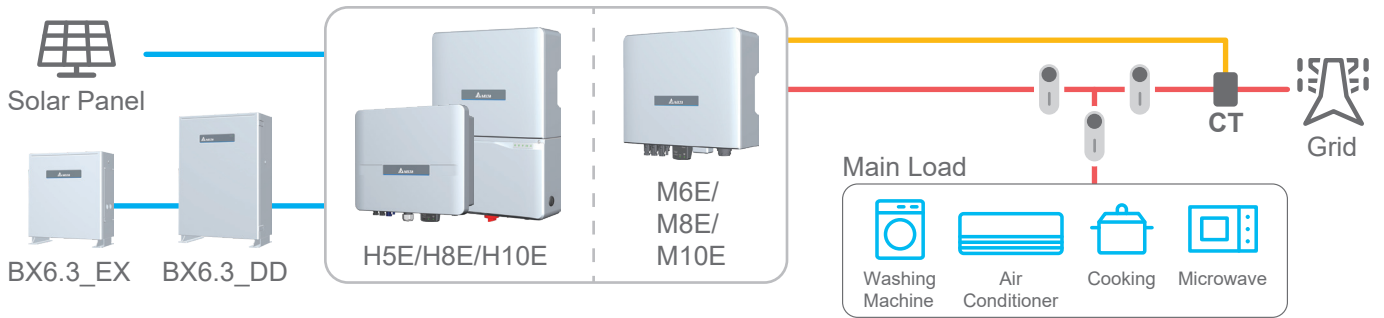
Product Overview

Delta's BX6.3/12.6_DD series of high-reliability Li-ion batteries is a home energy storage solution with a capacity of 6.3 / 12.6 kWh. It is compatible with Delta Battery-ready inverters, can be scaled up to 12kWh for future expansion. With BX6.3/12.6_DD, home owners can maximize the efficiency of their home energy management by saving and managing excess solar energy from their home PV system. It can play the role of a steady backup source during emergency situations or power outages.

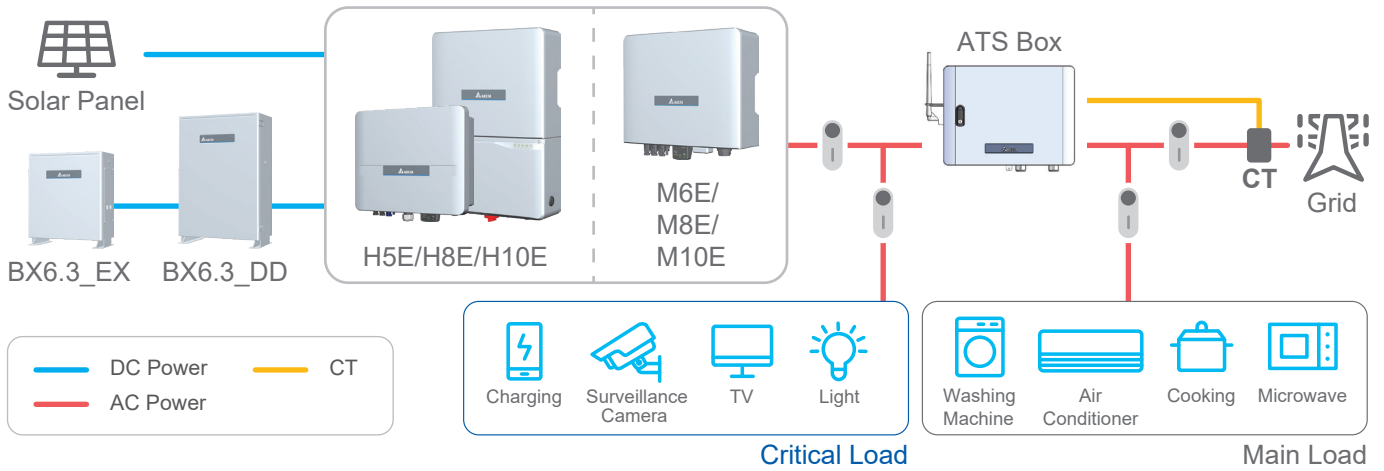


System Architecture

- Hybrid Energy Storage System



- Hybrid Energy Storage System with Backup Power

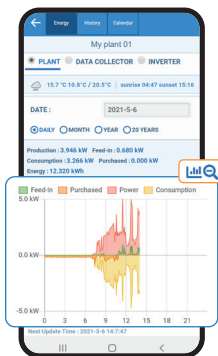


APP & Cloud

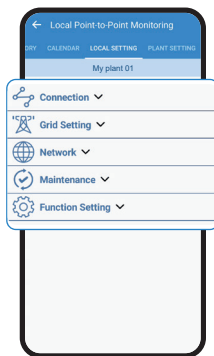
Only need one Wi-fi router to enjoy Delta cloud service.



Real-Time Data



Data Curve



Function Setting



MyDeltaSolar Cloud



Specifications



Model Name	BX6.3_DD
Battery	
Type	Li-ion
Battery Module	Samsung 41J (21700)
Typical Energy	6.3 kWh
Typical Voltage	DC 202.7 V
Voltage Range	DC 175 - 228 V
Max. Operating Current	15.6 A
Depth of Discharge (DoD)	98 %
Output	
Output Voltage Range	250 V - 1000 V
Max. Charge / Discharge Power	3 kW / 3 kW
Max. Charge / Discharge Current	15 A
General Data	
Operating Temp.	-10°C to +45°C
Operating Humidity	0 - 95% RH
Cooling	Convection Cooling
IP Rating	IP65
Enclosure	Powder-coated aluminum
Communication Interface	RS485 / CAN
Weight	75 kg
Dimensions (W × H × D)	570 × 840 × 250 mm
Compatible Battery-Ready Inverters	
Inverter Model	H5E , H8E, H10E, M6E, M8E, M10E



Model Name	BX12.6_DD (BX6.3_DD + BX6.3_EX100)
Battery	
Type	Li-ion
Battery Module	Samsung 41J (21700)
Typical Energy	12.6 kWh
Typical Voltage	DC 405.4 V
Voltage Range	DC 350 - 456 V
Max. Operating Current	15.6 A
Depth of Discharge (DoD)	98 %
Output	
Output Voltage Range	250 V - 1000 V
Max. Charge / Discharge Power	6 kW / 6 kW
Max. Charge / Discharge Current	15 A
General Data	
Operating Temp.	-10°C to +45°C
Operating Humidity	0 - 95% RH
Cooling	Convection Cooling
IP Rating	IP65
Enclosure	Powder-coated aluminum
Communication Interface	RS485 / CAN
Weight	BX6.3_DD: 75 kg / BX6.3_EX100: 60 kg
Dimensions (W × H × D)	BX6.3_DD: 570 × 830 × 250 mm / BX6.3_EX100: 520 × 600 × 230 mm
Compatible Battery-Ready Inverters	
Inverter Model	H5E , H8E, H10E, M6E, M8E, M10E



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