



Residential AC storage system

BX6.3_AC100

Product Features

- Support export control & off grid system (stand alone mode)
- High reliability Li-ion battery with 6.3 / 12.6-kWh capacity
- Scalable battery module (up to 12 kWh) for future expansion
- Built-in power meter simplifies system complexity
- IP65 and robust design that can withstand 5000 kg shock
- Wide operation temp. (-10 to 45°C)

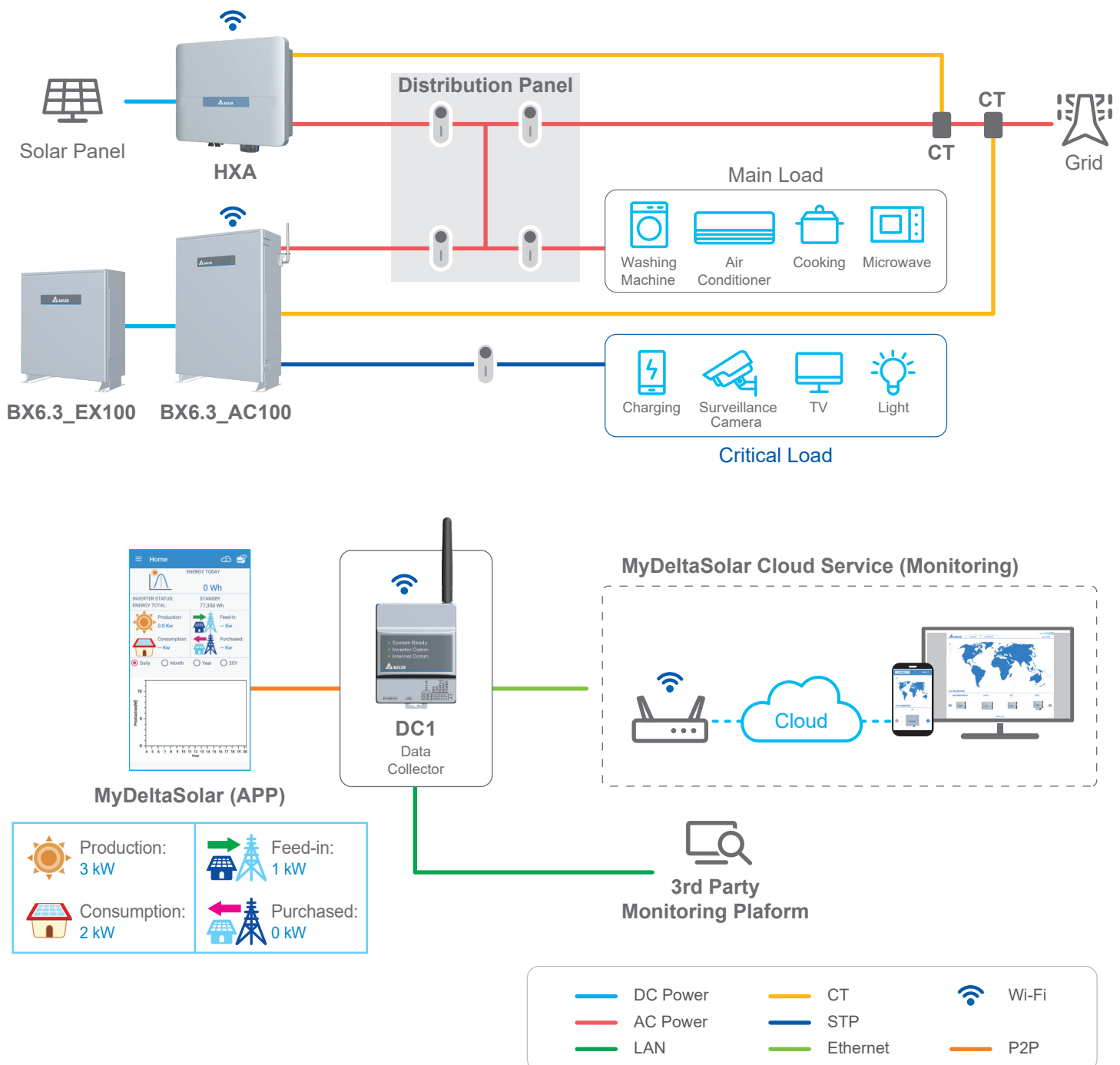


Product Overview

Delta's BX6.3/12.6_AC100 series of high-reliability Li-ion batteries is a home energy storage solution with a capacity of 6.3 / 12.6 kWh. It can be integrated into home PV systems and can be scaled up to 12kWh for future expansion. With BX6.3/12.6_AC100, 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 also act as a backup source during emergency situations or power outages.



System Architecture



* Only one communication protocol (LAN, Ethernet, Wi-Fi) can be used at the same time.

Specifications

Model Number	BX6.3_AC100 / BX6.3_AC101
Battery	
Type	Li-ion
Battery Module	Samsung 41J (21700)
Typical Energy	6.3 kWh
Usable Capacity	6.17 kWh
Typical Voltage	DC 200 V
Voltage Range	DC 175 - 228 V
Depth of Discharge (DoD)	98%
Grid	
Output Power	3 kW
AC Voltage	230V (+/- 20%)
Frequency	50 / 60 Hz
Rated Apparent Power	3000VA
Rated Output Current	13A
Maximum efficiency	96.5%
EU efficiency	96%
Standalone	
Power	3.0 kVA
Current	Max. 13.8 A
Wiring	1P3W AC230
Frequency	50/60Hz
Rated Apparent Power	3000VA
Rated Output Current	13A
General Data	
Power Meter	Built-in
Operating Temp.	-10°C to +45°C
Operating Humidity	0 - 95% RH
Cooling	Convection Cooling
IP Rating	IP65
Enclosure	Powder-coated aluminum
Dimensions (W × H × D)	570 × 830 × 250 mm
Weight	76 kg
Country of Manufacture	China



BX6.3_AC100



BX6.3_AC101

Model Number	BX6.3_AC100 + BX6.3_EX100 BX6.3_AC101 + BX6.3_EX100 BX12.6_AC100(BX6.3_AC100 associated with BX6.3_EX100) BX12.6_AC101(BX6.3_AC101 associated with BX6.3_EX100)
Battery	
Type	Li-ion
Battery Module	Samsung 41J (21700)
Typical Energy	12.6 kWh
Usable Capacity	12.34 kWh
Typical Voltage	DC 400 V
Voltage Range	DC 350 - 456 V
Depth of Discharge (DoD)	98%
Grid	
Output Power	4.5 kW
AC Voltage	230V (+/- 20%)
Frequency	50 / 60 Hz
Rated Apparent Power	4500VA
Rated Output Current	19.6A
Maximum efficiency	96.5%
EU efficiency	96%
Standalone	
Power	4.5 kVA
Current	Max. 20.6 A
Wiring	1P3W AC230
Frequency	50/60Hz
Rated Apparent Power	4500VA
Rated Output Current	19.6A
General Data	
Power Meter	Built-in
Operating Temp.	-10°C to +45°C
Operating Humidity	0 - 95% RH
Cooling	Convection Cooling
IP Rating	IP65
Enclosure	Powder-coated aluminum
Dimensions (W × H × D)	BX6.3_AC100: 570 × 830 × 250 mm / BX6.3_EX100: 520 × 600 × 230 mm
Weight	76 kg (BX6.3_AC100) + 59 kg (BX6.3_EX100)
Country of Manufacture	China



- BX6.3_AC100 + BX6.3_EX100
- BX12.6_AC100
(BX6.3_AC100 associated with BX6.3_EX100)



- BX6.3_AC101 + BX6.3_EX100
- BX12.6_AC101
(BX6.3_AC101 associated with BX6.3_EX100)

Delta Electronics, Inc.

39 Section 2 Huandong Road, Shanhua District,
Tainan City 74144, Taiwan (R.O.C.)

TEL : +886 6 505-6565

FAX : +886 6 505-1919

info@deltaww.com



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