



Battery Storage System

Residential / BX6.3_AC100

Product Features

- High reliability Li-ion battery with 6.3 / 12.6 kWh capacity
- Scalable battery module (up to 12kWh) for future expansion
- Built-in power meter simplify system complexity
- Wide operation temp (-10 to 45°C) ensure household safety
- IP65 and robust design which can afford 5000 kg shock

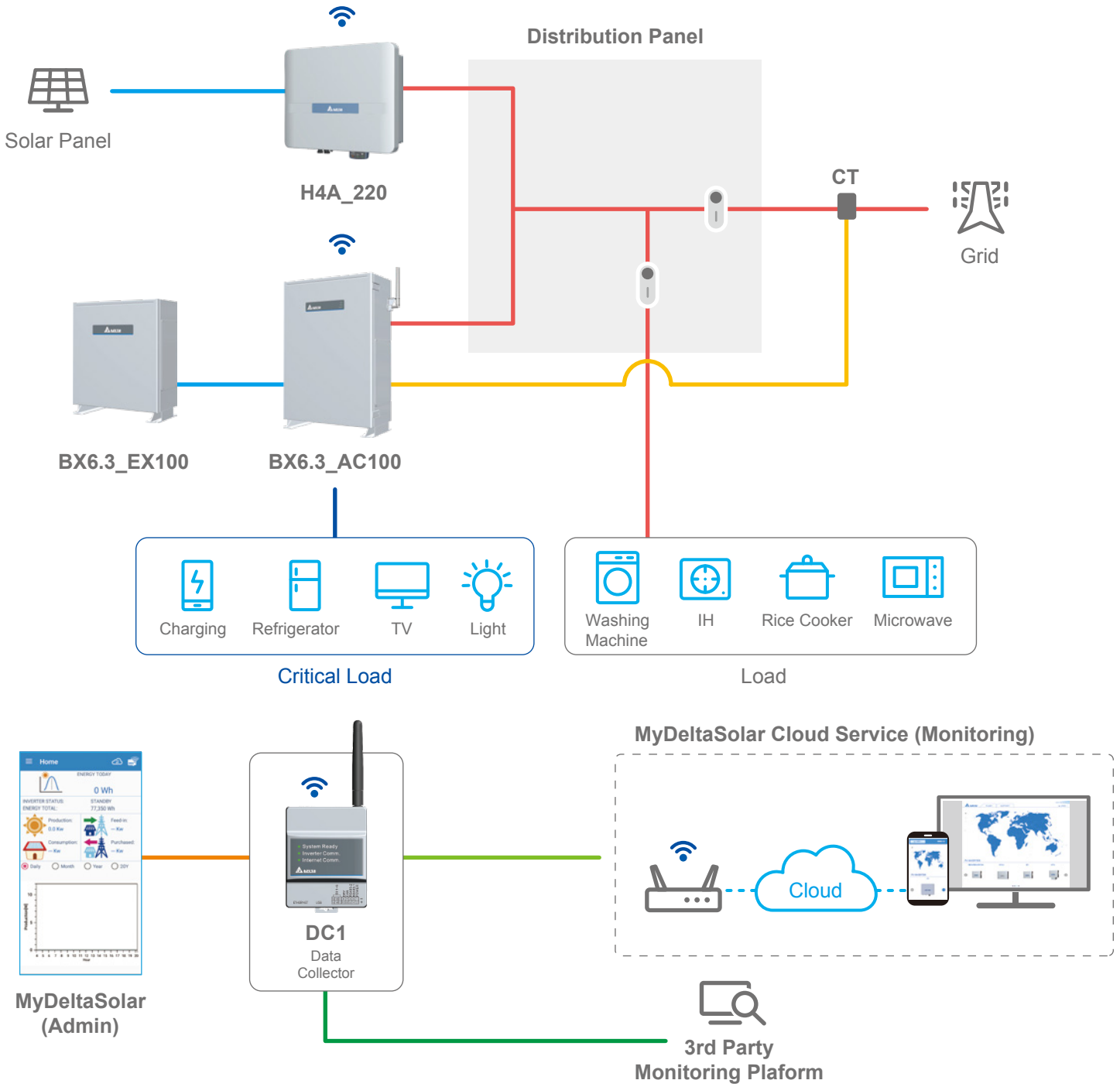


Product Overview

Delta's BX6.3/12.6_AC100 series high reliability Li-ion battery is a home energy storage solution with 6.3 / 12.6 kWh capacity. It can be integrated with home PV system and can be scalable up to 12kWh for future expansion. With BX6.3/12.6_AC100, house owner can maximize the efficiency of home energy management by saving and managing excess solar energy from home PV system. Besides, it can also act as a source of backup power during emergency or suffering a power outage.



System Architecture



- DC Power
- AC Power
- Critical Load (Backup Power / Standalone)
- CT
- LAN
- Ethernet
- P2P
- 📶 Wi-Fi

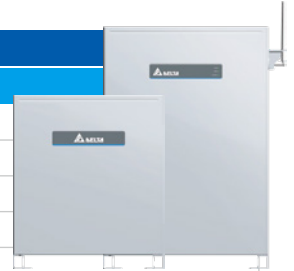
* Only one communication protocol (LAN, Ethernet, Wi-Fi) can be used at the same time.

Specifications

Model Number	BX6.3_AC100
Battery	
Type	Li-ion
Battery Module	Samsung 41J (21700)
Typical Energy	6.3 kWh
Typical Voltage	DC 200 V
Voltage Range	DC 175 - 226.8 V
Grid	
Output Power	3 kW
AC Voltage	180 - 280 V
Frequency	50 / 60 Hz
Standalone	
Power	3.0 kVA
Current	Max. 13.8 A
Wiring	1P3W AC230
Frequency	50/60Hz
General Data	
Operating Temp.	-10°C to +45°C
Operating Humidity	5 - 95% RH
Cooling	Convection Cooling
IP Rating	IP65
Enclosure	Powder-coated aluminum
Dimensions (W × H × D)	570 × 830 × 250 mm
Weight	80 kg



Model Number	BX12.6_AC100 (BX6.3_AC100 + BX6.3_EX100)
Battery	
Type	Li-ion
Battery Module	Samsung 41J (21700)
Typical Energy	12.6 kWh
Typical Voltage	DC 400 V
Voltage Range	DC 350 - 453.6 V
Grid	
Output Power	4.5 kW
AC Voltage	180 - 280 V
Frequency	50 / 60 Hz
Standalone	
Power	4.5 kVA
Current	Max. 20.6 A
Wiring	1P3W AC230
Frequency	50/60Hz
General Data	
Operating Temp.	-10°C to +45°C
Operating Humidity	5 - 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	80 kg (BX6.3_AC100) + 62 kg (BX6.3_EX100)





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