



## Home Energy Storage Solution

# Residential AC Storage System / BX6.3\_AC100 Series

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



Residential  
Area



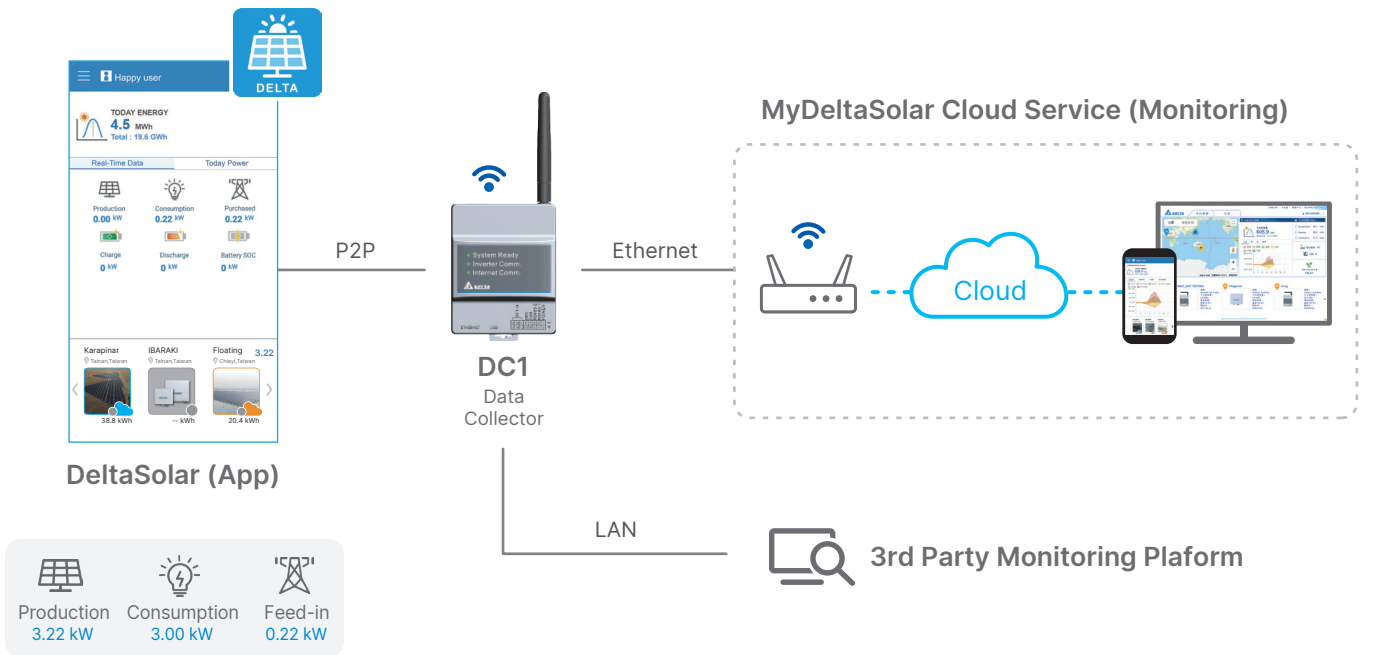
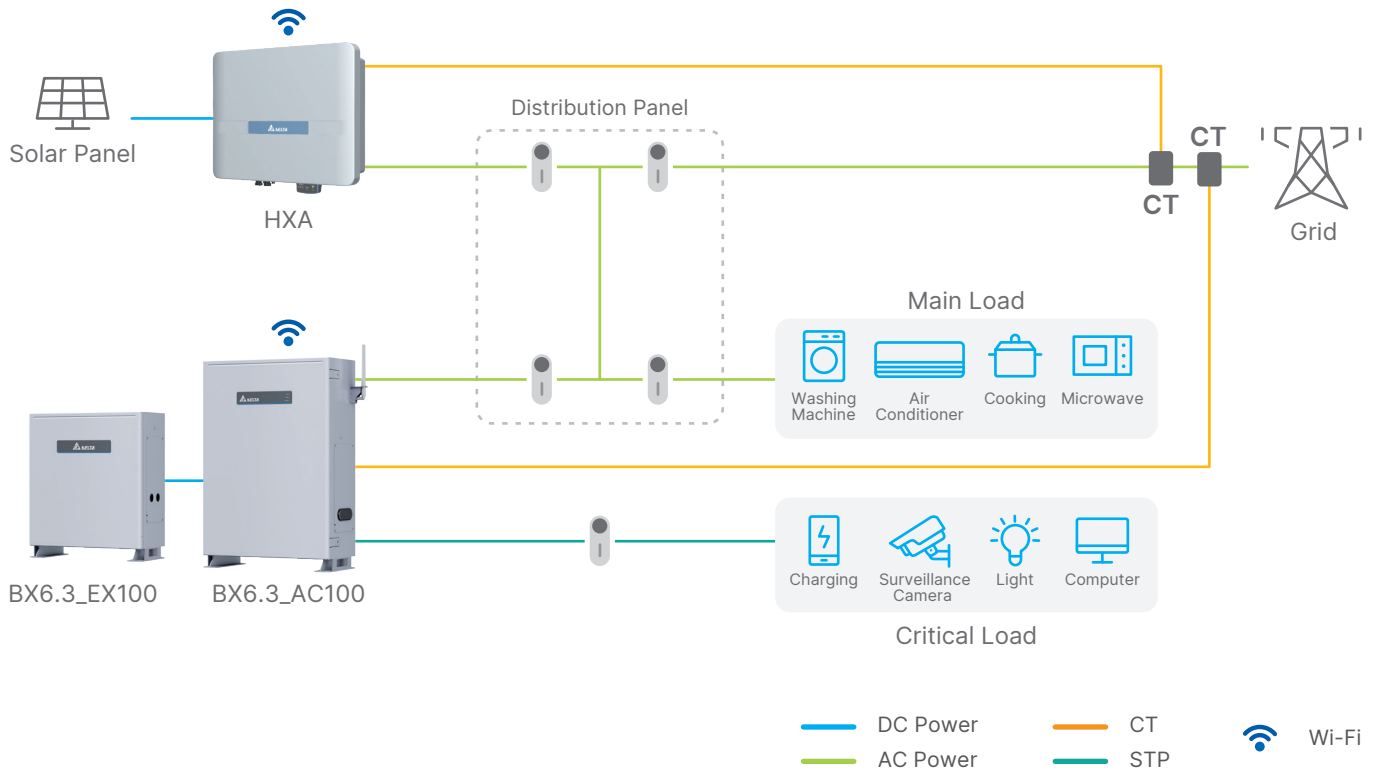
# Power Up your Home by Fully Utilizing the Solar Energy

Delta's BX6.3\_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 12.6 kWh for future expansion. With BX6.3\_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	BX12.6_AC100 / BX12.6_AC101
<b>Battery</b>		
Type	Li-ion	Li-ion
Battery Module	Samsung 41J (21700)	Samsung 41J (21700)
Typical Energy	6.3 kWh	12.6 kWh
Usable Capacity	6.17 kWh	12.34 kWh
Typical Voltage	DC 202.7 V	DC 405.4 V
Voltage Range	DC 175 - 228 V	DC 350 - 456 V
Depth of Discharge (DoD)	98%	98%
Cycle Stability (98% DoD)	6000 Cycle	6000 Cycle
<b>Grid</b>		
Output Power	3 kW	4.5 kW
AC Voltage	230 V (+/- 20%)	230 V (+/- 20%)
Frequency	50 / 60 Hz	50 / 60 Hz
Rated Apparent Power	3000 VA	4500 VA
Rated Output Current	13 A	19.6 A
Maximum Efficiency	96.5%	96.5%
EU Efficiency	96%	96%
<b>Standalone</b>		
Power	3.0 kVA	4.5 kVA
Current	Max. 16 A	Max. 25 A
Wiring	1P2W AC230	1P2W AC230
Frequency	50 / 60 Hz	50 / 60 Hz
Rated Apparent Power	3000 VA	4500 VA
Rated Output Current	13 A	19.6 A
<b>General Data</b>		
Power Meter	Built-in	Built-in
Operating Temp.	-10 °C to +45 °C	-10 °C to +45 °C
Operating Humidity	0 - 95% RH	0 - 95% RH
Cooling	Convection Cooling	Convection Cooling
IP Rating	IP65	IP65
Enclosure	Powder-coated aluminum	Powder-coated aluminum
Dimensions (W × H × D)	570 × 840 × 250 mm	BX6.3_AC100: 570 × 840 × 250 mm BX6.3_EX100: 520 × 600 × 230 mm
Weight	77 kg	77 kg (BX6.3_AC100) + 60 kg (BX6.3_EX100)
Country of Manufacture	China	China

\* All specifications are subject to change without prior notice

BX6.3\_AC100



BX6.3\_AC101



BX12.6\_AC100

(BX6.3\_AC100 + BX6.3\_EX100)



BX12.6\_AC101

(BX6.3\_AC101 + BX6.3\_EX100)



## Delta Electronics, Inc.

39 Section 2 Huanong Road, Shanhu District, Tainan City 74144, Taiwan, R.O.C.

TEL : +886 6 505-6565

FAX : +886 6 505-1919

www.deltaww.com

