

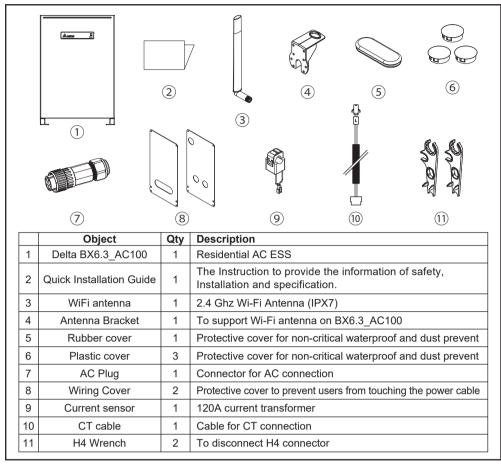
Quick Installation Guide

Battery Storage System BX6.3_AC100

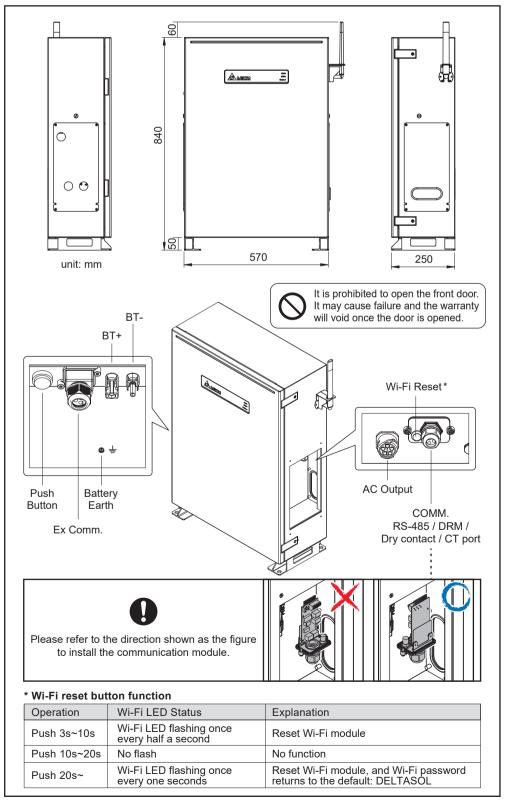
BX6.3_AC100 user manual

- For more instruction and specification, please scan QR-code to see user manual.
- > Battery > BX6.3_AC100 Operation and Installation Manual
- https://mydeltasolar.deltaww.com/?p=product_manual

Descriptions of Components

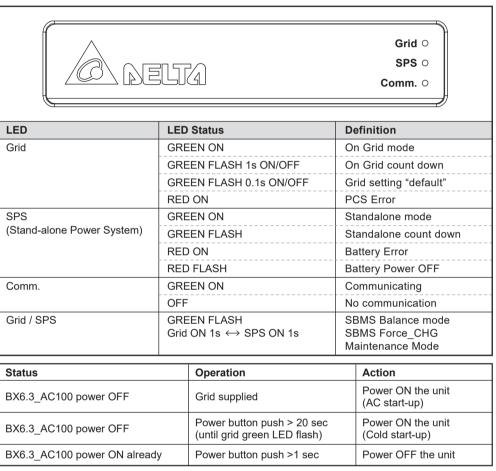


Dimensions and Interface Overview

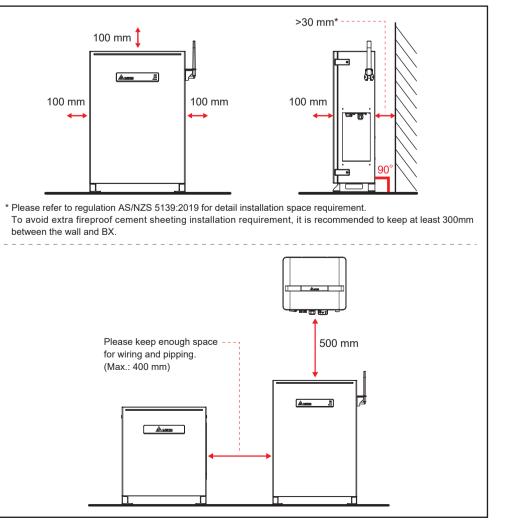


	Warning
	Do not open this product or insert tools due to shock and fire hazard which may cause injury.
	 When installing this product you must adhere to the following instructions: The product is intended to be installed and operated by qualified personnel or service personnel only. Do not power up the device before installation is complete. All circuit breakers must be in the OFF position before commencing installation.
0	 Do not install BX6.3_AC100 near or on flammable surfaces. Please mount BX6.3_AC100 tightly on a solid / smooth surface. Install BX6.3_AC100 in a location that prevents damage from flooding. Do not expose BX6.3_AC100 to ambient temperatures above 60°C or below -20°C. Operating or storing BX6.3_AC100 in temperatures outside its specified range might cause damage to BX6.3_AC100. With BX6.3_AC100 internal ATS mode, please make sure to add an external ATS contactor between grid and inverter when you want to bypass the battery, please refer to warranty document for related installation.
60 seconds	Danger to life through electric shock Potentially fatal voltage is applied to the unit during operation. This voltage persists even 60 seconds after disconnection of the power supply. Never open the unit. The unit contains no components that must be maintained or repaired by the operatoror installer. Opening the housing will void the warranty.
0	 The product supports wireless communication. Install the product as far away as possible from devices that emit strong radio waves, such as civil band radio equipment. Do not install the product in metal box and make sure there is no metal barrier between the product and connecting devices to prevent the communication signal attenuation. When using Wi-Fi to connect the inverter, the connection signal strength is recommended to be at least -70 dBm to ensure good communication quality.

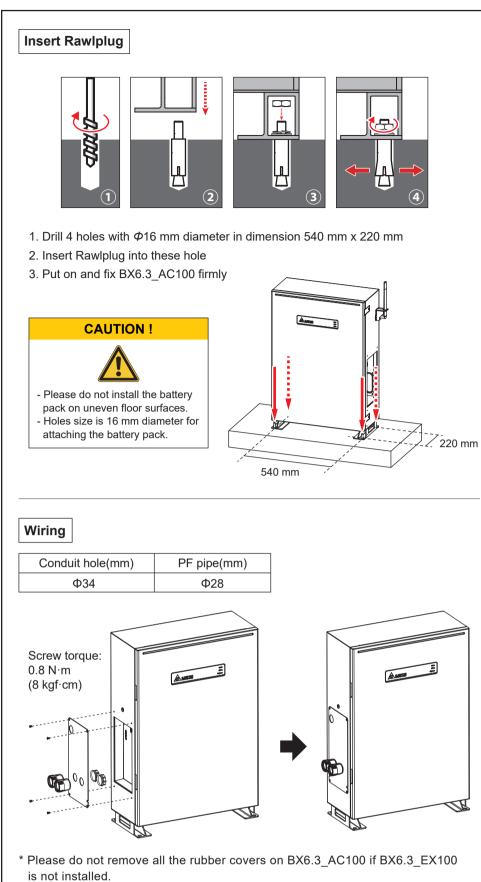
LED Indicators and Push Button



Installation

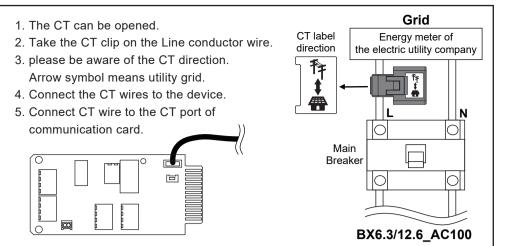


Installation

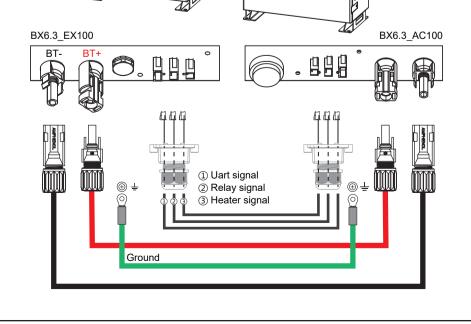


Installation of BX12.6_AC100

Current Transformer installation



Model		BX6.3_AC100	BX12.6_AC100		
		GENERAL			
Enclosure		Aluminum with	powder coating		
Operating temperature		-10℃ * ~ 45℃			
Operating Altitude		0 to 2000m (0 to 6666 ft.)			
Relative humidity		0% – 95% non-condensing.			
Environmental category		Indoor / Outdoor			
Protection degree		IP65 (Electronics)			
Pollution degree		PD 2			
Overvoltage category		AC output :III			
Galvanic isolation		NO			
Safety class		Class I metal enclosure with protective earth			
Weight		77kg	77 kg (BX6.3_AC)		
Dimensions(W*H*D)		570 × 840 × 250 mm	+ 60 kg (BX6.3_EX) 570 × 840 × 250 mm		
			+ 520 × 600 × 230 mm		
Connectors		Weather resistant connectors			
Audible noise < 40dB					
Туре		BT INPUT	ion		
Type Battery Module		Li-ion Samsung SDI 41J (21700)			
Battery Module	icity	6.3 kWh	12.6 kWh		
Nominal Battery Capacity		6.17 kWh	12.34 kWh		
Usable Battery Capacity		DC 202.7 V	DC 405.4 V		
Typical Voltage Voltage Range		DC 202.7 V DC 175 - 228 V	DC 350 - 456 V		
)oD)				
Depth of Discharge (DoD) 98 % AC INPUT / OUTPUT					
Nominal power		3000 VA	4500 VA		
Maximum power		3000 VA	4500 VA		
Voltage		According to country setting			
On Grid Nominal current		(Programmable 230Vac ± 20%) 13 A 19.6 A			
Stand-Alone Nominal current		13 A	19.6 A		
Inrush current		-	100 us		
Maximum output fault current (rms)		25 A	25 A		
Maximum overcurrent	. ,	25 A	25 A		
Frequency		Rated 50/60 Hz (Programmable 45-65 Hz)			
Active anti-islanding method		Reactive power injection			
Total harmonic distort		< 3 %			
Power factor		> 0.99 @ full power			
Output current DC cor	monent	< 0.5% rated current			
Tare loss		< 0.5% fated current			
Maximum efficiency		96.5%			
SYSTEM INFORMATION / COMMUNICATION					
		Wi-Fi connection			
User interface		365 days data logger and real time clock			
		30 events record			
External communication		2 RS-485 connections			
CE conformity	RE	GULATIONS & DIRECTIVES			
CE conformity Grid interface		Yes AS/NZS 4777.2 :2015			
Emission		EN 61000-6-3			
Harmonics		EN 61000-3-2			
Variations and flicker		EN 61000-3-3			
Immunity		EN 61000-6-2			
	ESD	IEC 61000-4-2			
	RS	IEC 61000-4-3			
Immunity	EFT	IEC 61000-4-4			
	Surge	IEC 61000-4-5			
	CS	IEC 61000-4-6			
Electrical safet	PFMF	IEC 61000-4-8			
Electrical safety		IEC 62619:2017, IEC 62040-1:2017			



* 0 degree for the first time installation.