



Residential Renewable Energy Solution

BX6.3_DD

Product Features

- All-in-one solution, fully utilize the solar energy
- Scalable system design, support installation of battery system and EV charger
- Support Off-grid function, provide backup power
- Point-to-point and cloud WiFi Monitoring
- Support split-phase backup power(120V/240V), auto-transformer is not required



Model	BX6.3_DD	BX6.3_DD + BX6.3_EX100
GENERAL		
Enclosure	Aluminum with powder coating	
Operating temperature	-10°C * ~ 45°C	
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	Other: not connected to mains directly	
Galvanic isolation	NO	
Safety class	Class I metal enclosure with protective earth	
Weight	75kg	75 kg (BX6.3_DD) + 60 kg (BX6.3_EX100)
Dimensions(W*H*D)	570 × 840 × 250 mm	570 × 840 × 250 mm + 520 × 600 × 230 mm
Connectors	Weather resistant connectors	
Audible noise	< 40dB	
BT INPUT		
Type	Li-ion	
Battery Module	Samsung SDI 41J (21700)	
Typical Energy	6.3 kWh	12.6 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%	
DC BUS INPUT / OUTPUT		
Nominal power	3000 W	6000 W
Maximum power	3000 W	6000 W
Voltage	250V - 1000V	
Maximum input/output current	15.6 A	15.6 A
Maximum fault current	25A	
Tare loss	< 10 W	
Maximum efficiency	99%	
REGULATIONS & DIRECTIVES		
Electrical safety	IEC 62619:2017, IEC 60730-1:2013	

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