

DX Series

Single Phase All in One ESS

DX series is an all-in-one solar and storage solution, which integrates the inverter, battery charger, UPS and battery into a pre-wired modular system for easier and faster installation, which reduce the installation time of up to 50%.

Compact, elegant appearance with IP65 design, so it can be mounted indoor or outdoor withstanding all weather conditions.



Leading Technology

- Max. 14A PV input current per string
- 97.6% max. efficiency



Easy Installation

- Modular all in one design, quick installation with plug&play
- Flexible battery capacity expansion, 10~40kWh



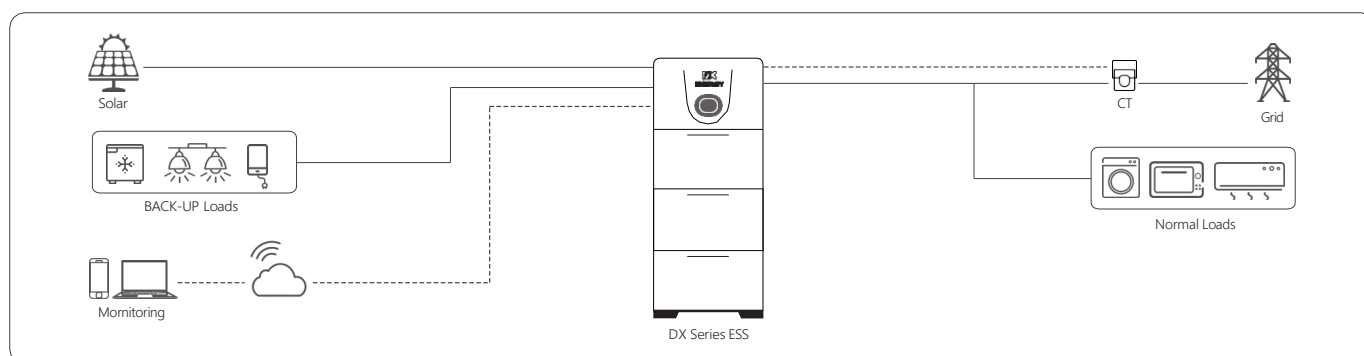
High Reliability

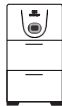
- IP 65 rating, indoor and outdoor installation
- LiFePO4 battery cell, safety and reliable



User-Friendly

- Real-time monitoring and parameter control through APP
- Ideal for residential application with low operating noise



Model	DX Energy-5K0L-T2	DX Energy-5K0L-T3	DX Energy-5K0L-T4
System Parameters			
System Structure			
Rated output power	5000W	5000W	5000W
Battery capacity	10.24kWh	15.36kWh	20.48kWh
Operating temperature	0°C~50°C (Charging) / -15°C~50°C (Discharging)		
Noise	<25dB		
Humidity	0~95%		
Cooling strategy	Natural		
Enclosure protection rating	IP65		
Communication	RS485 / Optional: WiFi		
Operating altitude	<2000m		
Weight	154.4kg	208kg	261.6kg
Dimension [W×D×H, mm]	675*200*1210	675*200*1575	675*200*1940
Battery			
Number of battery	2	3	4
Battery capacity	10.24kWh	15.36kWh	20.48kWh
Rated battery voltage	51.2V	51.2V	51.2V
Battery type	Li-ion (LFP)	Li-ion (LFP)	Li-ion (LFP)
Rated battery voltage	51.2V	51.2V	51.2V
Battery voltage range	44.8~57.6V	44.8~57.6V	44.8~57.6V
Max. Charging Power	5000W	5000W	5000W
Max. charge/discharge current	100A/100A	100A/100A	100A/100A
PV input			
Max. PV input power	7500W	7500W	7500W
Max. PV voltage	550V	550V	550V
Start-up voltage	100V	100V	100V
Rated DC voltage	360V	360V	360V
MPPT voltage range	80~500V	80~500V	80~500V
No. of MPP trackers	2	2	2
No. of string per MPP tracker	1/1	1/1	1/1
Max.input current	14A/14A	14A/14A	14A/14A
Grid & Back up			
Rated output power for on-grid and off-grid	5000W	5000W	5000W
Rated output current	21.7A	21.7A	21.7A
Max. output current	21.7A	21.7A	21.7A
Rated output voltage	L/N/PE, 220V, 230V	L/N/PE, 220V, 230V	L/N/PE, 220V, 230V
Rated frequency	50/60Hz	50/60Hz	50/60Hz
THDv	< 3%	< 3%	< 3%
Overload ability	110%, 60s /120%, 30s /150%, 10s	110%, 60s /120%, 30s /150%, 10s	110%, 60s /120%, 30s /150%, 10s
Switch time	<20ms	<20ms	<20ms
Inverter topology	Non-isolated	Non-isolated	Non-isolated
Max. efficiency	97.60%	97.60%	97.60%
Euro efficiency	97.00%	97.00%	97.00%
Max. battery charge/discharge efficiency	95.00%	95.00%	95.00%
Certificate			
CE / UKCA	EN61000		
	IEC62109-1, IEC62109-2		
Grid	EN50549-1, VDE-AR-N-4105, CEI 0-21, AS/NZS 4777, G98&G99		