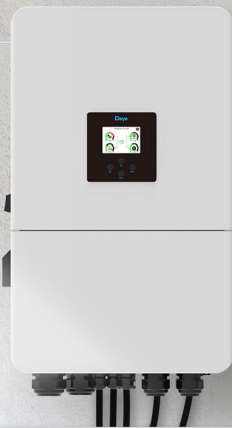


Blue Carbon × Deye

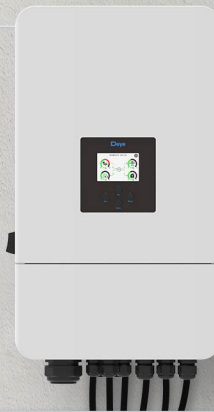
Blue Carbon BOX

Three Phase | Hybrid Inverter | Low Voltage
Battery Supported

BCT-DLL-L3M2-15KW
BCT-DLL-L3M2-20KW



BCT-DLL-L3M2-12KW



Deye
Hybrid Inverter



Blue Carbon
LiFePO4 Battery

SMART-BCT-V-48-300(P)

Highly Popular Low Voltage Energy Storage Solution

Three Phase low voltage hybrid inverters cover the power range of 12-20kW

The Blue Carbon BOX series is the product of in-depth collaboration between two core brands of energy storage batteries and inverters. Integrating Blue Carbon batteries' high-reliability cycling and Deye hybrid inverters' intelligent power dispatch system. Creating distributed energy solutions that maximize reliability per kWh. Not mere resource aggregation, but value integration.



Joint algorithm optimization

Discharge more stable, conversion efficiency higher, energy loss lower, overall system efficiency maximized.



Low system operating costs

With same amount of electricity but can power more devices, involving less charging and less maintenance.



Significantly reduced failure rate

Stronger stability, reducing service requests and after-sales pressure.



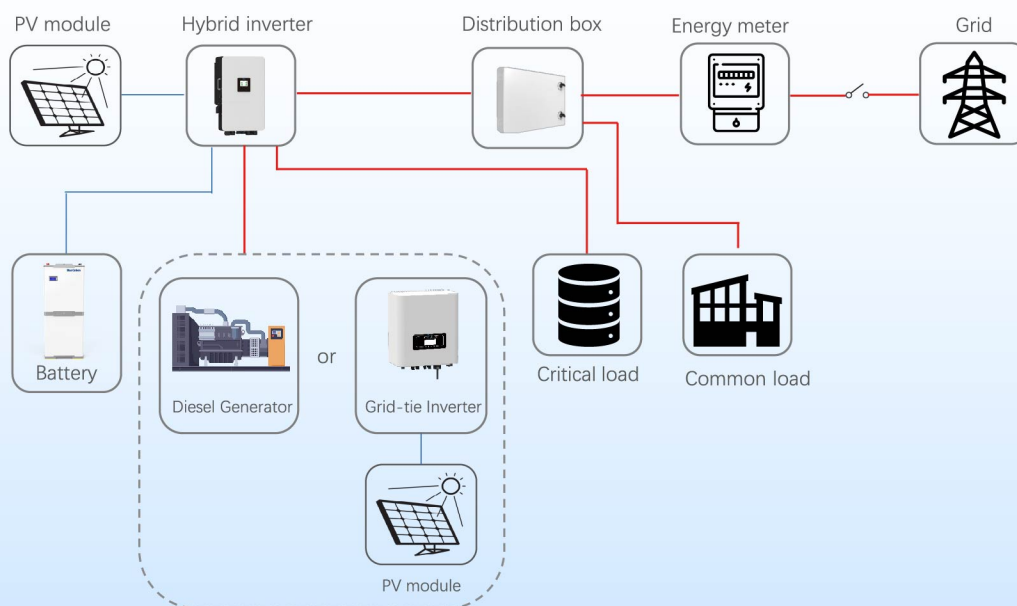
Eliminate the misunderstanding of "false performance labeling"

Do not falsely label capacity or overstate compatibility; respond proactively in service, and provide unified after-sales support, ensuring consistent expectations for investors/users.

Blue Carbon × Deye



System Application Diagram



Blue Carbon × Deye



380V/12kW
30kWh



380V/15kW
45kWh



380V/20kW
60kWh

- ✓ 12~20kW for on-grid and off-grid operation.
- ✓ High Compatibility, Strong Performance One-stop Complete Solution.
- ✓ Pair with solar panels to achieve self-consumption and zero electricity bills.

PRODUCT CATALOG

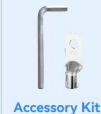
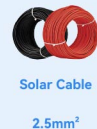
Output 380V/12kW

BCT-DLL-L3M2-12KW Inverter +
SMART-BCT-V-48-300(P)
585W Solar Panel



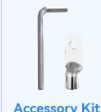
Output 380V/15kW

BCT-DLL-L3M2-15KW Inverter +
SMART-BCT-V-48-300(P)
585W Solar Panel

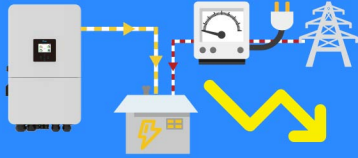


Output 380V/20kW

BCT-DLL-L3M2-20KW Inverter +
SMART-BCT-V-48-300(P)
585W Solar Panel



Blue Carbon × Deye



Electricity Meter Offse

Safe Low Voltage

Modular Design

4ms

Switching Time



10 Units in Parallel



Generators



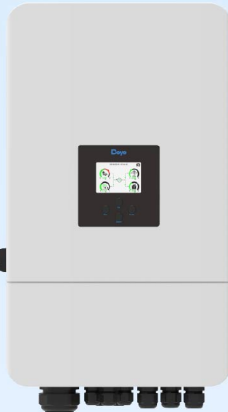
Peak Shaving



AC Coupling



High Performance



BCT-DLL-L3M2-12KW Inverter

Technical Data

Rated Input Voltage (VAC)	220/380V, 230/400V 0.85Un-1.1Un, 3L+N+PE
MPPT Voltage Range (VAC)	200-650
Frequency (Hz)	50/45-55, 60/55-65
Rated Capacity (kW)	12kW
Battery Rated Voltage (VDC)	40-60
Wave Form	Pure Sine Wave

BCT-DLL-L3M2-15KW/20KW Inverter

Technical Data

Rated Input Voltage (VAC)	220/380V, 230/400V 0.85Un-1.1Un, 3L+N+PE
MPPT Voltage Range (VAC)	200-650
Frequency (Hz)	50/45-55, 60/55-65
Rated Capacity (kW)	15kW/20kW
Battery Rated Voltage (VDC)	40-60
Wave Form	Pure Sine Wave



Blue Carbon × Deye

Mono-facial Module N-Type

- High efficiency.
- High transmission tempered glass.
- Durable anodized aluminum frame.
- Efficient protection from frame deformation and water accumulation.
- Rugged design to withstand high wind pressure and snow load, easy installation.

Technical Data

Open-Circuit Voltage (Voc) [V]	53.08V
Optimum Operating Voltage (Vmp) [V]	43.96V
Short-Circuit Current (Isc) [A]	13.53A
Optimum Operating Current (Imp) [A]	13.31A
Wafer Efficiency [%]	24.7%



Reliable & Scalable Energy Storage

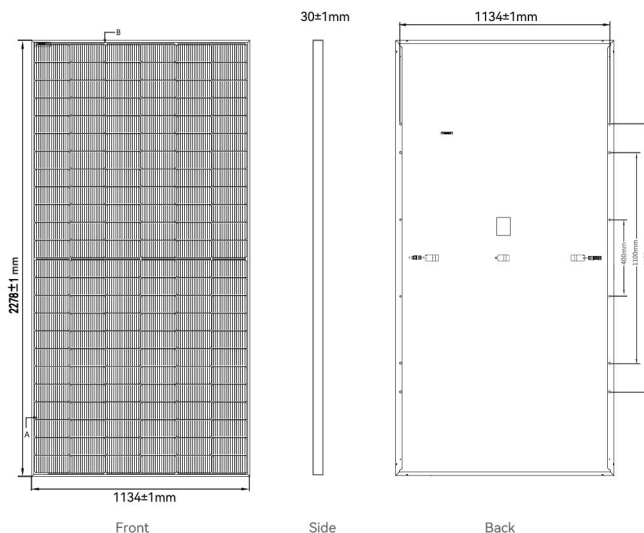
- High quality aluminium magnesium alloy, anti-corrosion, substantial, durable, artistic, practical.
- All in one mould design and production, easy to install.
- With longer span life LiFePO4
- Dustproof structure design, DC output, safe and reliable.
- Integrated packaging, safe and convenient to transport.

Technical Data

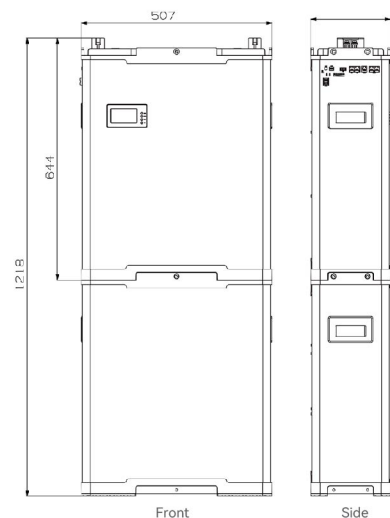
Nominal Voltage	51.2V
Nominal Capacity	300Ah
Electricity(kWh)	15.36kWh
Continuously Use Input Current	250A/280A/350A
Continuously Use Output Current	250A/280A/350A
Parallel	Up to 16 Pcs

Product Size (Unit: mm)

▼ Solar Panel



▼ Battery



Blue Carbon × Deye



Blue Carbon × Deye



Blue Carbon × Deye

