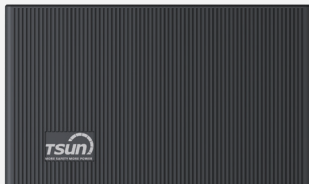


SolarCan (2 kW | 2 kWh – 10 kWh)

TSOL-DCU2000Lite/TSOL-DB2000Lite



TSOL-DCU2000Lite



Active Cell-level Control (ACC)

Real-time active balancing across every cell for better efficiency and longer lifespan.



Bigger Power, Smaller Size

Highest energy density: 126Wh/kg & 165Wh/L



Ultra Safety

Low-Voltage Design
Dual Protection

-Active Protection: Priority Charging Signals target only unbalanced units, reducing unnecessary balancing actions
-Passive Protection: IP65 ingress protection



AI Optimized

AI-assisted energy planning for smarter, safer, more efficient storage.

TSUNESS Co.,Ltd

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Technical Data

Model	TSOL-DCU2000Lite
PV Input(PV)	
Recommended Module Power (Wp)	300 ~ 600+
Max. PV Input Power (W)	2400
Start up Voltage @Rated Condition (V)	15
Max. Input Voltage per Input (V)	60
Operating Voltage Range per Input (V)	13 ~ 60
Short Circuit Current per Input (A)	40
Max. Input Current per Input (A)	32
Quantity of Inputs	2
No. of PV Modules per Input	2 (Parallel)
Battery Specifications	
Battery Type	LiFePO4
Battery Capacity (Wh)	2010
Max. Expansion Capacity (Wh)	10050 (1 x DCULite2000 + 4 x DB2000Lite)
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	43.2 – 57.6
Nominal Discharge Power (W)	800
Max. Discharge Current (A)	25
Max. Charge Power (W)	2400 (When Configuring DB2000Lite)
Nominal Charge Current (A)	25
Battery Output (DC to Microinverter)	
Nominal output power (W)	800
Max. Current (A)	30
Output Voltage Range (V)	20 – 45
Efficiency	
MPPT Efficiency	99.9 %
Battery Charge/Discharge Efficiency	94.0 %
Mechanical Data	
Dimensions (W×H×D mm)	380 x 226 x 180
Weight (kg)	22
General Data	
Communication	Server : WiFi (Bluetooth) + RS485
Ingress Protection	IP65
Cooling	Natural Convection
Charging Temperature Range	0 – 55 °C*
Discharging temperature range	-20 – 55 °C*
Relative Humidity	0 – 90 %, Non Condensing
Max. Operating Altitude without Derating (m)	2000
Certification	CE, WEEE, UN38.3, ROHS, REACH

*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature range.

Technical Data

Model	TSOL-DB2000Lite
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Battery Specifications

Battery Type	LiFePO ₄
Battery Capacity (Wh)	2010
Nominal Voltage (V)	51.2
Operating Voltage Range (V)	43.2 – 57.6
Nominal Discharge Power (W)	800
Max. Discharge Current (A)	25

Mechanical Data

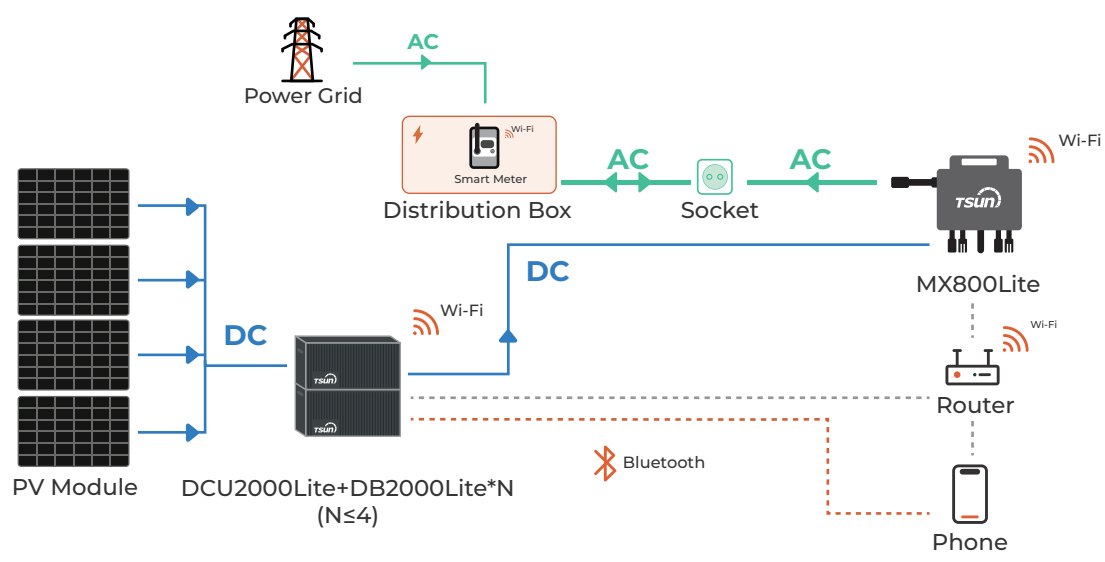
Dimensions (W×H×D mm)	380 x 203.7 x 180
Weight (kg)	20

General Data

Ingress Protection	IP65
Cooling	Natural Convection
Charging Temperature Range	0 – 55 °C*
Discharging Temperature Range	-20 – 55 °C*
Relative Humidity	0 – 90 %, Non Condensing
Max. Operating Altitude Without Derating (m)	2000
Certification	CE, WEEE, UN38.3, ROHS, REACH

*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature range.

System Diagram



MORE SAFETY MORE POWER



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