

DS51V50(51.2V50Ah)

DSU 51V50



DESA DSU series adopts high-safety LiFePO₄ batteries, equipped with Leoch's self-developed BMS. Featuring a highly integrated single-module design, it is more suitable for low-power UPS, supporting both short-term and long-term backup power systems. It delivers safe and reliable power for various application scenarios.



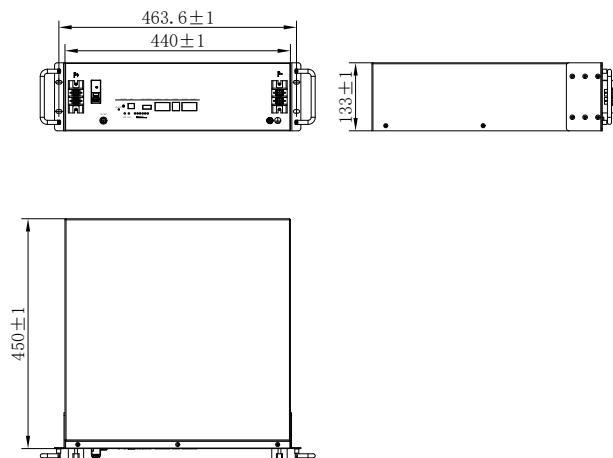
Characteristic

- Safe and stable LiFePO₄ technology
- Environmentally friendly, free from heavy metals
- Low self-discharge rate
- High cycle times and long life
- High energy density and conversion efficiency
- High-performance BMS battery management system
- Standard 19-inch rack-mount design, simple for integration

Discharge Data

Time(h)	1	2	3	5	10
Constant Power(Watts)	2560	1280	853.3	512	256

Physical Dimension-mm



Specification

Nominal Voltage	51.2V
Rated Capacity	50Ah
Energy	2560Wh
Max. Output Power	2.56kWh
Dimensions(W*D*H)	440*450*133mm
Weight	Approx. 27Kg
Backup Time	2.5kW@60min
Material System	LFP
Case Material	SPCC
Terminal Type	M6
LCD Screen	No
Ingress Protection	IP20
Cycle Life	≥4000 cycles (@80%DOD,25°C)
Design Life	≥15 years
Charge	0~55°C
Operation Temperature	Discharge -10~60°C Storage -5~40°C
Relative Humidity	5%~95%R.H
Recommended Charge Current	25A
Recommended Charge Voltage	55.2V
Discharge Cut-off Voltage	44.8V
Self-discharge Rate	≤3%/Month@25°C
Communication Interface	RS485,RS232, CAN,Dry contact