

DSU51V50(51.2V100Ah)

DSU51V100



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.



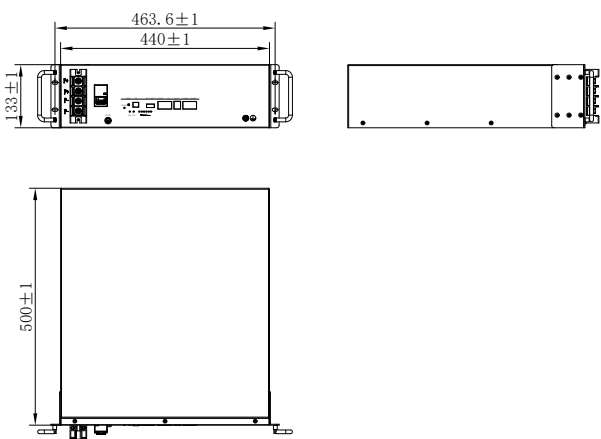
Characteristic

- 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)	5120	2560	1706.6	1024	512

Physical Dimension-mm



Specification

Nominal Voltage	51.2V	
Rated Capacity	100Ah	
Energy	5120Wh	
Max. Output Power	5.12kWh	
Dimensions(W*D*H)	440*500*133mm	
Weight	Approx. 42Kg	
Backup Time	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	
Opeation Temperature	Charge	0~55℃
	Discharge	-10~60℃
	Storage	-5~40℃
Relative Humidity	5%~95%R.H	
Recommended Charge Current	50A	
Recommended Charge Voltage	55.2V	
Discharge Cut-off Voltage	44.8V	
Self-discharge Rate	≤3%/Month@25℃	
Communication Interface	RS485,RS232, CAN,Dry contact	