

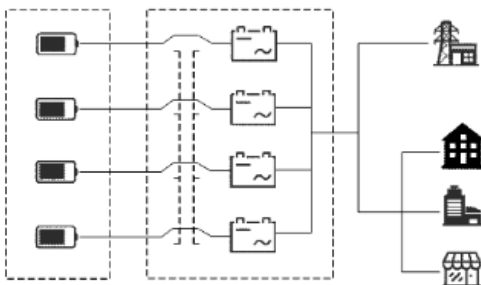


SUNPOWER
RENEWABLES



SRBESS 300KW

Integrated Outdoor Battery Energy Storage Cabinet



Safe & Reliable



Over 10 extreme destructive tests;
6D High-precision sensing;
Four-level active & passive combined protection.

High Scalability



A broad power and capacity range with exceptional scalability to meet diverse application requirements.

More Availability



Modular and zoned design for easy maintenance.



Outdoor Energy Storage Converter	
Model	Specs
AC Output Parameters	
AC connection type	3P4W+PE
Rated AC power	300kVA
AC voltage range	400 (-15%~15%) Vac
AC frequency	50 (-2.5~2.5) Hz
Rated AC current	433A
Power factor	-1(Leading) ~ 1 (Lagging)
Harmonics	≤3% (at rated power)
DC Side Parameters	
DC voltage range	720V~1500V
Voltage regulation Accuracy	±1%
Current regulation accuracy	±1%
General Parameters	
Dimensions (W*D*H)	1120mm*1210mm*2470mm
Maximum weight	950kg
Protection grade	IP55
Operating temperature*	-30°C~50°C
Cooling method type	PCS Cabin (forced air cooling) & Electrical Cabin (air conditioner)
Anti-corrosion grade	C5
Relative humidity	0-95% (non-condensing)
Noise level	< 75dB
Operating altitude**	<3000m
Communication interface	RS485, Ethernet
Communication protocol	Modbus TCP/RTU
Warranty	5 years
Certifications	System: CE(IEC61000,IEC62477) PCS: CE(IEC61000,IEC62477), VDE4110,EN50549, AS4777, UL1741, IIEEE1547, G99, EIFS, PPDS

Outdoor Battery Cabinet	
Model	Specs
DC Side Parameters	
Cell type	LFP (BYD Blade Cell)
System configuration	1P416S
Battery capacity (BOL)	1P416S
Nominal voltage (Battery voltage range)	1331.2V (1081.6-1489.3V)
Nominal power	250.5kW
General Parameters	
Dimensions (W*D*H)	1130mm*1208mm*2523mm
Maximum weight	4000kg
Protection grade	IP55
Operating temperature*	-30°C~55°C
Cooling method type	Liquid cooling
Anti-corrosion grade	C5
Relative humidity	5-100%
Noise level	< 75dB
Fire suppression system	Aerosol
Operating altitude**	<2000m
Auxiliary power interface	AC400V/50Hz, 3P4W
Auxiliary system peak power requirement@45°C, PF0.9	6.7kVA
Communication protocol	CAN
Warranty	5-Year Product Warranty; 10-Year Performance
Certifications	UN38.3,IEC62619,IEC63056,UL 1973,UL9540A, GB/T36276,GB/T34131

Sunpower Renewables Pty. Ltd., is an Australian renewable energy solutions company. Our modern, efficient, and smart solar energy products are cost-effective, long-lasting & and environment-friendly with best-in-class technology. From commercial, and residential to off-grid applications, our products are designed to offer energy independence anytime, anywhere.

Visit our website www.srportables.com for more information or contact our technical team on Tel. 9315964687



Good Design Award Gold



Governor of Victoria Export Award for Sustainability



Best Social Impact Innovation at Finder Awards



Sustainability and Green Economy Award 2023



GOVEA Victorian Exporter of the Year



AFR BOSS Best Place to Work Award



59th Australian Export and Investment Award



Financial Review Most Innovative Company



GOVEA Resource and Energy Award 2025