



PowerCore

SPS36

9 - 36kVA 20 - 82kWh

Stand-alone Power System **SPS** Range.

A Battery Energy Storage System (BESS) designed for remote Australia, featuring advanced safety measures, smart monitoring, and a durable design for effortless installation, saving both time and money.



Product Applications

Off-Grid

Seamless integration with solar and generator power.

EV Charging

Battery-buffered electric vehicle charging solutions

Industrial UPS

Industrial-grade solar uninterruptible power supply.

Solar Pumping

Dependable 24/7 off-grid solar pumping for consistent operation.

Safe

- Advanced Energy Management System for safety and performance.
- Safe battery management for LFP cells.
- Integrated hazard mitigation technologies.

Smart

- Integrated DC Coupled MPPT.
- System monitoring with external device support.
- Latest modular inverter and MPPT with smart generator control.

Strong

- Heavy duty base.
- Rugged, air-conditioned enclosure with thermal insulation for maximum battery & equipment life.
- Durable powder coating.
- IP55/IP56 Dual Zone rating.

Simple Install

- Scalable battery system for easy expansion.
- Heavy duty base for hassle free placement.
- Simple maintenance.
- Fast site commissioning.



Australia's most flexible & **reliable** energy control system.

1300 654 547
354 Cormack Road, Wingfield, SA 5013
email@powercore.com.au

POWERCORE SPS36

Power Type	Single Phase	Three Phase
Max Power	24kVA	36kVA
Max System Energy Capacity	82kWh	
Integrated Solar	21kW (DC) 31kW (DC PV)	

SYSTEM DIMENSIONS

SPECIFICATIONS	UNIT	RANGE
Length Approx.	mm	2297
Width	mm	1030
Height	mm	1655
Weight	kg	1400/1800

SINGLE PHASE

SPECIFICATIONS	UNIT	RANGE
Apparent Power Output	kVA	9 / 12 / 15 / 18 / 21 / 24
Real Power Output	kW	7.2 / 9.6 / 12 / 14.4 / 16.8 / 19.2
Peak Apparent Power Output	kVA (15 sec)	11.25 / 15 / 18.25 / 22.5 / 26.25 / 30
Peak Real Power Output	kW (15 sec)	9 / 12 / 15 / 18 / 21 / 24
Rated Output Voltage	V	230
Frequency	Hz	50
Phase		1
Max Integrated Solar MPPT		6
Gen Input Power	Amps	100
Max Power in Bypass	Amps	100
Max Inverter Number		8
Max System Energy Capacity	kWh	82
Battery Type		LiFePO4
Nominal DC Voltage	V	51,2
Battery Cycles		>5000
Discharge Depth	%	90
Operating Altitude	M	2000
Operating Temperature	°C	-20 to +50
IP Rating	IPxx	IP55 / IP56 Dual Zone

THREE PHASE

SPECIFICATIONS	UNIT	RANGE
Apparent Power Output	kVA	9 / 18 / 27 / 36
Real Power Output	kW	7.2 / 14.4 / 21.6 / 28.8
Peak Apparent Power Output		11.25 / 22.5 / 33.75 / 45
Peak Real Power Output	kW (15 sec)	9 / 18 / 27 / 36
Rated Output Voltage	V	400/415
Frequency	Hz	50
Phase		3
Max Integrated Solar	kW	21kW (DC) 31kW (DC PV)
Gen Input Power	Amps	100
Max Power in Bypass	Amps	100
Max System Energy Capacity	kWh	81
Battery Type		LiFePO4
Nominal DC Voltage	V	51,2
Battery Cycles		>5000
Discharge Depth	%	90
Operating Altitude	M	2000
Operating Temperature	°C	-20 to +50
IP Rating	IPxx	IP55 / IP56 Dual Zone

MPPT FEATURES	6 (DEFAULT 2)
Nominal Charge Power	3456W per MPPT
Max PV Short Circuit Current (ISC)	+50%
PV Array Oversizing Support	600 V
Max PV Input Voltage (VOC)	14 A
Max PV Input Current (IMP)	20 A
PP Voltage Range	170- 500 V



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Communications	4G /Wi-Fi / Satellite	
Cloud Monitoring Platform	Options Available	
Equipment Standards	IEC 62619:2022 IEC 62109-1:2010 IEC62109-2:2010 IEC62040-1:2017 UN38.3	
Integrated Solar	Conforms to: AS/NZS 3000:2018 AS/NZS 5139:2019 AS/NZS 4509.1:2009	
Clean Energy Council (CEC)	CEC Listed • Battery Inverter • Solar Inverter	
BENEFITS	SPECIFICATIONS	
Safety & Protection	AC Short Circuit Protection AC Output Over Current Protection AC Output Over Voltage Protection DC Output Over Current Protection Over Temperature Protection & AirCon Active Battery Monitoring Module & BMS	
Built to Endure	Thermal Insulation Durable Powder Coat Enclosure Insulated Air Conditioning Integrated Lifting Points & Forklift Points Lockable Doors	
Smart Intelligence	Power Management/Control System Quiet at Night Mode Settings Peak Shaving & Load Shedding Support Redundant Inverter Architecture for Improved Resilience Human-Machine Interface (HMI) w/ 2.4 LCD screen 8 Port Network Switch Remote Cloud Based Monitoring w/ Push Notifications	
MPPT	PV Reverse Polarity Protection	Yes
	Earth Leakage Current Detection	Yes
	Max Conversion Efficiency	96%



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