

SunRise Mini AND Maxi

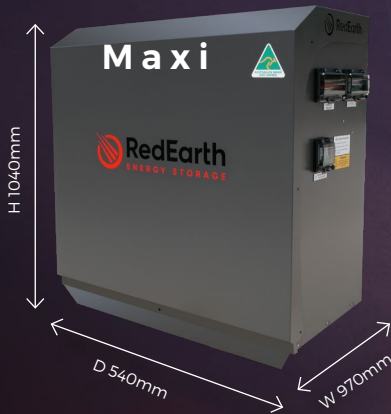


ON-GRID POWER



SunRise Mini SRM-xxx

Weight
61kg
+ 42.5kg per battery



SunRise Maxi SRS-xxx

Weight
87kg
+ 42.5kg per battery

Specifications	
Power Output	
Mini 5kW	Maxi 5kW
Solar Input	
Mini Connect up to 6.5kW 6.6 of solar panels to two MPPTs	Maxi Connect up to 6.65kW 6.6 of solar panels to two MPPTs
Battery Options	
Mini Up to 3 x 4.1kWh Troppo Batteries 12.3kW/H max	Maxi Up to 6 x 4.1kWh Troppo batteries 24.6kWh max
Electrical Connection	
Hard wired via built-in EPS transfer switch PV cables connected directly to supplied MC4's	
Monitoring	
Standard remote monitoring (via mobile and PC) using RedEarth's own RedPi and EMU app (subject to network availability)	



TROPPO-4841 Lithium-ion Battery Specifications	
Nominal Capacity	4.1kWh/79.8Ah
Nominal DC Voltage	51.2V
Maximum Discharge Current	63A (limited by circuit breaker)
Maximum Charge Current	63A (limited by circuit breaker)
Maximum Power of Discharge (kW)	Approx 3kW
Projected MWh Delivered over Battery Lifetime	10.2MWh at 80% DoD
Battery Mounting Options	Standard 19" rack + horizontal, vertical, or on either side
Dimension (W*D*H,mm)	438*725*88

Store your excess solar power to use at night with RedEarth's fully autonomous SunRise systems, designed for every day single-phase homes looking to reduce their bills and increase their sustainability.

Outdoor-rated, the SunRise Mini and Maxi systems come pre-wired with everything required to make installation quick and easy.

Like all of RedEarth's products, SunRise Mini and Maxi are fully engineered, assembled, and tested to Australian standards at RedEarth's factory in Brisbane. It comes as a complete solution that can be easily installed.



SUNRISE SYSTEMS ARE SCALABLE, MAKING THEM A LONG-TERM INVESTMENT IN YOUR HOME

Need panels? No worries.

RedEarth tries to make things as easy as possible for its customers, and our Australia-wide network of partners are experts on our systems—they can do the groundwork for you, and supply solar panels, hardware, cabling, mounting equipment, and any electronics you may need.



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SUNRISE MINI

SUNRISE MAXI

Power yourself.

SunRise 1 Phase

Model

	External PV Isolator											Built-in PV MCB Isolator																					
	SRS-100	SRS-104	SRS-108	SRS-112	SRS-116	SRS-120	SRS-124	SRM-100	SRM-104	SRM-108	SRM-112	SRM-116	SRM-120	SRM-124	SRS-200	SRS-204	SRS-208	SRS-212	SRS-216	SRS-220	SRS-224	SRM-200	SRM-204	SRM-208	SRM-212								
Nominal Energy Capacity (kWh)	0	4.1	8.2	12.3	16.4	20.5	24.6	0	4.1	8.2	12.3	16.4	20.5	24.6	0	4.1	8.2	12.3	16.4	20.5	24.6	0	4.1	8.2	12.3	16.4	20.5	24.6	0	4.1	8.2	12.3	
Number of Batteries	0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	4	5	6	0	1	2	3	
Battery Type	Tropo-4841 Lithium-Ion Phosphate (or Battery Ready)*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MPP Voltage Range	125V _{DC} - 560V _{DC}	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Max. Input Voltage (V _{DC})	600V _{DC}	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Max. PV Input Power	6000W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Min. Operating/Startup Voltage	125V _D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Max. Input Current	11/11 A _{DC}	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Short Circuit Current (I _{SC})	15/15 A _{DC}	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rated AC Voltage	230V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rated AC Frequency	50Hz	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rated Output Apparent Power (VA)	4990VA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Max. Input/Output Power	4990VA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Max. Input/Output Current	21.7 A _{AC}	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Max. Efficiency	97.7%	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Rated Output Current	21.7A _{AC}	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Max. Output Power (Batt. + PV)	5000VA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Max Output Power (Batt. Only)	3000VA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Max Output Current (Batt. Only)	13A _{AC}	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Supported DRM	DRM 0 to 8 inclusive	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Safety Class	Class I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IP Rating	IP44	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ambient Temperature	-25°C ... +50°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Overvoltage Category	III (MAIN), II (PV) (BATTERY)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Device Voltage Classification	DVC-C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Weight (kg)	87	129.5	172	214.5	257	299.5	342	61	103.5	146	188.5	229.5	272	314.5	357	61	103.5	146	188.5	229.5	272	314.5	357	61	103.5	146	188.5	229.5	272	314.5	357	61	103.5

* The SunRise system is designed to only use the RedEarth Troppo-4841 lithium-ion battery (LFP). The SunRise system can also be supplied without any batteries. These can be installed at a later date.


 All RedEarth systems come complete with a 10-year warranty as standard. See website for full details:
<https://bit.ly/5X4PRT7>