

# SunRise 3 Phase



ON-GRID POWER



**Weight**  
126kg + 32kg per battery

## SPECIFICATIONS

### Power Output

10kW

### Solar Input

Connect up to 13.3kW of solar panels to two MPPTs. Can also be AC-coupled to additional inverter.

### Battery

17.75kWh to 31.95kWh PylonTech batteries. An option with no batteries installed is available. Batteries can be added at a later date.

### Electrical Connection

Hardwired to terminal block. Segregated EPS circuits. PV cable connections directly to SunRise.

### Monitoring

Standard remote monitoring (via mobile and PC) using RedEarth's own RedPi and EMU app (subject to network availability).

The perfect all-in-one energy storage solution if you're already running on three-phase power, SunRise 3 Phase comes pre-wired with everything required for installation, and can easily be retrofitted to existing solar systems—it even has backup functionality in the event of a blackout.

Like all of RedEarth's products, SunRise 3 Phase is 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 3 Phase has an IP43 outdoor rating, so it can be installed in any shaded area outside. It meets Australian Standards AS4777.2, IEC62109-1/2, and AS60950.1.

SunRise 3 Phase systems allow you to join RedEarth's revolutionary Private Power Plant (PPP).

## REBATES AVAILABLE



RedEarth's SunRise systems have low entry prices and qualify for government rebates and loans.



THE BENEFITS OF REDEARTH'S SUNRISE HOME ENERGY STORAGE SYSTEMS, WITH THE POWER OF THREE-PHASE

## 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.



[www.redearth.energy](http://www.redearth.energy)  
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SCAN ME

Power yourself.

# SunRise

## 3 Phase

### SUNRISE 3-PH TECHNICAL SPECIFICATIONS:

Models SRS-3xx NS and SRS-3xx. Note that the SRS-300 NS and SRS-300 do not include a battery and are battery ready.

PV Input		
MPP Voltage Range	200V <sub>DC</sub> - 600V <sub>DC</sub>	
Max. Input Voltage (V <sub>OC</sub> )	600V <sub>DC</sub>	
Max. Input Current	12.5 A <sub>DC</sub>	25 A <sub>DC</sub>
Short Circuit Current (I <sub>SC</sub> )	18 A <sub>DC</sub>	36 A <sub>DC</sub>
Battery		
Battery type	Lithium-Iron Phosphate	
Nominal Energy Capacity	Ø or 17.7 to 31.9 kWh* (3.55 kWh p/Battery)	
AC Input and Output		
Rated AC Voltage	230 V / 400V	
Rated AC Frequency	50 Hz	
Max. Input Power	20 600 VA	
Max. Input Current	30.0 A <sub>AC</sub>	
Rated Output Apparent Power (VA)	10 000 VA	
Max. Output Power	10 000 VA	
Max Output Current	15.2 A <sub>AC</sub>	
Power Factor Range	0.8 lead - 0.8 lag	
EPS Output		
Max. Output Power	7200 - 10 000 VA*	
Max Output Current	10.4 - 15.2 A <sub>AC</sub> *	
Max Output current (Batt. Only)	30A <sub>DC</sub>	
Peak Output Power	12 000VA, 5min	
Supported DRM	DRM 0 to 8 inclusive	
Safety Class/Enclosure	Class I / IP43	
Topology (Solar/Battery)	Transformer less non-isolated / Transformer less non-isolated	
Pollution degree (PD)	2	
Ambient Temperature	-20°C ... +50°C	
Humidity Range	4% ... 100%	
Maximum Altitude	4000m	
Overvoltage Category	III (MAIN), II (PV)(BATTERY)	
Device Voltage Classification	DVC-C	

### External PV Isolator

- SRS-300 NS (no batteries and no EPS capability)
- SRS-318 NS (x5 batteries = 17.75kWh nominal. The minimum sized battery, if you have one)
- SRS-321 NS (x6 batteries = 21.3kWh nominal)
- SRS-325 NS (x7 batteries = 24.85kWh nominal. The minimum for full 10kW backup power)
- SRS-328 NS (x8 batteries = 28.4kWh nominal)
- SRS-332 NS (x9 batteries = 31.95kWh nominal. The max. number of batteries available)

### Built-in PV MCB Isolator

- SRS-300 (no batteries and no EPS capability)
- SRS-318 (x5 batteries = 17.75kWh nominal. The minimum sized battery, if you have one)
- SRS-321 (x6 batteries = 21.3kWh nominal)
- SRS-325 (x7 batteries = 24.85kWh nominal. The minimum for full 10kW backup power)
- SRS-328 (x8 batteries = 28.4kWh nominal)
- SRS-332 (x9 batteries = 31.95kWh nominal. The max. number of batteries available)



All RedEarth systems come complete with a 10-year warranty as standard.

See website for full details:

<https://reearth.energy/wp-content/uploads/2022/04/Off-Grid-Warranty-2021.pdf>

### PYLONTECH BMU SPECIFICATIONS



Models	SC1000-100S
Related Product	H1/H2
Controller Working Voltage	200-1000Vdc
System Operation Voltage	200-1000Vdc
Charge Current (Max.)(A)	100
Discharge Voltage (Vdc)	200-1000
Discharge Current (Max.)(A)	100
Self-Consumption Power (W)	8
Dimension (W*D*H,mm)	442*390*132
Communication	RS485/CAN
Protection Class	IP20
Weight (kg)	8.2
Operation Life	15 years
Operation Temperature	-20-65°C
Storage Temperature	-40-80°C
Product Certificate	TÜV.CE

### PYLONTECH LITHIUM BATTERY H48074 SPECIFICATIONS



Models	H48074
Capacity (kWh)	3.55
Nominal Voltage (Vdc)	48
Nominal Capacity (AH)	74
Voltage Range (Vdc)	45-54
Depth of Discharge	80% (10-90%)
Dimension (W*D*H,mm)	442*390*132
Communication	RS485/CAN
Protection Class	IP20
Weight (kg)	32
Operation Life	10+ Years
Operation Cycle Life	4000
Operation Temperature	0-50°C
Storage Temperature	-20-60°C
Product Certificate	TÜV.CE

\*Nominal Energy Capacity depends on the number of batteries in the system. 17.7 is the minimum (5 batteries) and 31.9 kWh is the maximum (9 batteries). If no batteries are connected, then the nominal capacity is Ø kWh.