

SR Portables Helios delivers you energy independence and power security by providing uninterrupted electricity supply, especially during power outages, whilst reducing your electricity bills.

These all-in-one portable products with an in-built MPPT charger, UPS, inverter & lithium-ion battery pack generate & store energy, and independently power larger facilities like entire offices, homes, factories & more. An ideal substitute for diesel generators & home inverters, they also offer reverse net metering to profit from feeding excess energy back to the grid.

The Helios is fully portable and can be used for both on and off grid applications. These units come with our proprietary IESS smart technology module that intelligently optimises energy flows between solar and the grid and helps in reducing your electricity bills.

Using a mobile application, energy production & consumption can be monitored anywhere, real-time, which gives the user complete control on their electricity bills. The application also provides consistent usage data and troubleshoot support.

## Technical Specifications

### Performance Specifications

<b>AC Voltage (Nominal)</b>	100V-120Vac OR 220V-240Vac
<b>Feed-In Type</b>	Single Phase
<b>Grid Frequency</b>	50Hz/60Hz
<b>Total Energy</b>	3200Wh
<b>Usable Energy</b>	2560wh
<b>Real Power, max continuous</b>	1500W
<b>Real Power, peak</b>	2250W
<b>Apparent Power, max continuous</b>	1350W
<b>Apparent Power, peak</b>	2025W
<b>Maximum Supply Fault Current</b>	2.6A
<b>Maximum Output Fault Current</b>	13A
<b>Overcurrent Protection Device</b>	Yes
<b>Imbalance for Split-Phase Loads</b>	n/a
<b>Power Factor Output Range</b>	1
<b>Internal Battery DC Voltage</b>	51.8V(42-58.5V)
<b>Round Trip Efficiency</b>	≥80%
<b>Warranty</b>	5years



### Compliance

<b>Certifications</b>	IEC62040,CE,SAA
<b>Emissions</b>	CE

### Mechanical Specifications

<b>Dimensions</b>	L510*W270*H600mm
<b>Weight</b>	47kg
<b>Portability</b>	With Wheels

### Environmental Specifications

<b>Operating Temperature</b>	0~45°C(charge). 0~60°C(discharge)
<b>Recommended Temperature</b>	0~45°C(charge). 0~60°C(discharge)
<b>Operating Humidity (RH) 5%-90%?</b>	10%~90%
<b>Storage Conditions ?C to ?°C Up to ?% RH, non-condensing</b>	-20°C-55°C
<b>State of Energy (SoE): ?% initial</b>	0.8
<b>Maximum Elevation</b>	≤2000
<b>Environment Indoor and outdoor rated Enclosure Type</b>	Indoor
<b>Ingress Rating</b>	IP21
<b>Wet Location Rating Yes</b>	IP21
<b>Noise Level @ 1m</b>	<35dB