

# Enphase **S230**



Built on the fifth-generation platform, the Enphase **S230 Microinverter™** achieves the highest inverter efficiency for module-level power electronics. With its all-AC approach, the S230 simplifies design and installation, and delivers optimal energy harvest. The S230 is compatible with storage systems, including battery management systems.

The Enphase S230 integrates seamlessly with Engage Cable, the Enphase Envoy-S™ communications gateway, and Enphase Enlighten™ monitoring and analysis software.

## **PRODUCTIVE**

- Optimised for 60-cell modules
- Maximises energy production
- Minimises impact of shading, dust, and debris

## **SIMPLE AND RELIABLE**

- No DC design or string calculation required
- More than 1 million hours of testing
- Industry-leading warranty, up to 10 years
- Transformer isolated

## **ADVANCED GRID READY**

- Complies with fixed power factor, voltage and frequency ride-through requirements
- Remote updating to respond to changing grid requirements
- Configurable for variable grid profiles
- Configurable for export limiting

<b>INPUT DATA (DC)</b>	<b>S230-60-LN-2, S230-60-LN-2-AU, S230-60-LN-5, S230-60-LN-5-AU</b>
Commonly used module pairings	195 W - 285 W
Maximum input DC voltage	48 V
Peak power tracking voltage	27 V - 37 V
Operating range	16 V - 48 V
Min/Max start voltage	22 V / 48 V
Max DC short circuit current	15 A
<b>OUTPUT DATA (AC)</b>	
Peak output power	230 VA
Maximum continuous output power	220 VA
Nominal voltage / range	230 V / 184 V - 276 V
Nominal output current	0.95 A
Nominal frequency/range	50 Hz / 45 - 55 Hz
Power factor at rated power	> 0.95
Maximum units per 20 A branch circuit	17 (Ph + N), 48 (3PH + N)
Maximum output fault current (source)	49 Apk < 10 $\mu$ s, 12 Arms 3 cycles
Current (inrush)	0 A
AC backfeed current to module	0 mA
Power factor (adjustable)	0.7 leading ... 0.7 lagging
Protective class / over voltage category (OVC)	I / 3
<b>EFFICIENCY</b>	
EN 50530 (EU) efficiency	95.8 %
Peak efficiency	96.7 %
Static MPPT efficiency (weighted, reference EN50530)	99.5 %
Night time power consumption	< 50 mW
<b>MECHANICAL DATA</b>	
Ambient temperature range	-40°C to +65°C
Enclosure environmental rating	Outdoor - IP 67
Connector type, MC4	S230-60-LN-2 S230-60-LN-2-AU
Connector type, Amphenol H4	S230-60-LN-5 S230-60-LN-5-AU
Dimensions (WxHxD)	172 mm x 175 mm x 35 mm (without bracket)
Weight	1.8 kg
Cooling	Natural convection - No fans
Humidity range	0% - 100% (condensing)
<b>FEATURES</b>	
Compatibility	60-cell PV modules
Communication	Power line
Monitoring	Enlighten Manager and MyEnlighten monitoring options
Compliance (Pending)	AS 4777.2, AS 4777.3, RCM, IEC/EN 61000-6-3, IEC/EN 62019-1, IEC/EN 62109-2
Automatic disconnect	Automatic disconnect according to VDE 0126-1-1

1. Suggestion only, inverter self limits DC inputs.

To learn more about Enphase Microinverter technology,  
visit [enphase.com/au](http://enphase.com/au)

