



The Enphase Energy Microinverter System improves energy harvest, increases reliability, and dramatically simplifies design, installation and management of solar power systems.

The Enphase System includes the microinverter, the “Plug & Play” Engage Cable, the Envoy Communications Gateway, and Enlighten, Enphase’s monitoring and analysis software.

PRODUCTIVE

- Maximum energy production
- Resilient to dust, debris and shading
- Performance monitoring per module

RELIABLE

- System availability greater than 99.8%
- No single point of system failure

SMART

- Quick and simple design, installation and management
- 24/7 monitoring and analysis

SAFE

- Low voltage DC
- Reduced fire risk



TECHNICAL CHARACTERISTICS

Input Data (DC)		M215-60-230-S22-EU
Recommended input power range (STC)		190 – 260W
Maximum input DC voltage		45V
Peak power tracking range		22V – 36V
Operating range		16V – 36V
Min./Max. start voltage		22V/45V
Max. DC short circuit current		15A
Max. input current		10.5A
Output Data (AC)		
Maximum output power		215W
Nominal output current		934mA
Nominal voltage		230V
Nominal frequency		50.0Hz
Power factor		>0.95
Maximum units per 20A branch circuit		17 (Ph + N); 27 (3Ph + N)
Efficiency		
EN 50530 (EU) efficiency		95.4%
Static MPPT efficiency (weighted, reference EN50530)		99.6%
Dynamic MPPT efficiency (fast irradiation changes, reference EN50530)		99.3%
Night time power consumption		50mW
Mechanical Data		
Ambient temperature range		-40°C to +65°C
Operating temperature range (internal)		-40°C to +85°C
Dimensions (WxHxD) mm without mounting bracket		172x164x25 (6.8"x6.5"x1.0")
Weight		1.6kg (3.5lbs)
Cooling		Natural convection – no fans
Enclosure environmental rating		Outdoor – IP67
Features		
Communication		Power line
Monitoring		Free lifetime monitoring via Enlighten software
Compliance		VDE-0126-1-1, DK5940, C10/11, EN62109-2, CEI_0-21, EN50438, G83/1-1

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