

**Manufacturer****REC****LG****LG****Module Class**

Module Type	REC250PE	LG250S1C	LG250S1C
Solar Cell	Poly	Mono	Mono
Wafer Supplier	REC	LG Siltron	LG Siltron

**Electrical Characteristics**

Power Range (W)	250	250	250
Module Efficiency	15.1%	16.2%	16.2%
Power Tolerance (+/-W)	-0/+5W	-0/+3%	-0/+3%
Temp Coefficient of $P_{MPP}$ (%/°C)	-0.4	-0.42	-0.42
NOCT (°C)	45.7	46	46
Max System Voltage (V)	1000	1000	1000
Reverse Current Rating (A)	25	15	15

**Mechanical Ratings**

Mechanical Ratings				
Dimensions	W (mm)	991	986	986
	H (mm)	1665	1632	1632
	D (mm)	38	42	42
Junction Box		IP67	IP65	IP65
Weight (kg)		18	18.4	18.4
Max Wind Pressure (Pa)		2400	2400	2400
Max Snow Load (Pa)		5400	5400	5400

**Warranty**

Product Warranty (Years)	10	10	10
Performance Warranty (Years)	25	25	25
Performance Guarantee	Linear	Linear	Linear
Warranted Power End of Year 1	97%	97%	97%

**Performance**

PTC:STC Ratio*	91.0%	91.0%	91.0%
Antireflection Coating	Yes	Yes	Yes
Salt Spray Certification (Level 1-6)	6	6	6
Ammonia Certification	Yes	Yes	Yes
Yield Advantage Compared To REC	-	-0.41%	-0.41%

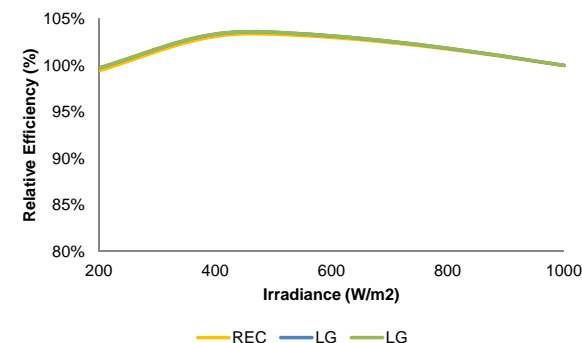
 REC Advantages

\* PTC was developed in California to better reflect module performance at higher temperatures. The PTC is calculated at expected operating temperature at 1000W/m<sup>2</sup>, AM1.5. This index is influenced by NOCT & temperature co-efficient

The specification data used in this comparison has been sourced from the manufacturer and was current at the date of the revision. Efficiency curves under different irradiance levels have been generated using the one-diode model and Endeas sunflasher equations to generate module resistance values.

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**Efficiency Under Different Irradiances****Warranted Power Conditions**