

Electrical characteristics at Standard Test Conditions(STC) »

CSUN250-60P

Module type	CSUN 250-60P
P _{mp} [W]	250
Positive power tolerance	0~3%
V _{oc} [V]	37.3
I _{sc} [A]	8.81
V _{mp} [V]	29.9
I _{mp} [A]	8.36
Practical module efficiency	17.12%
Module efficiency	15.40%

Standard test conditions(STC): irradiance 1000W/m²; AM 1.5; cell temperature 25 °C. Tolerance of P_{mp}:0~+3%. Certified in accordance with IEC61215, IEC61730-1/2 and UL1703.

Electrical Characteristics at » Normal Operating Cell Temperature(NOCT)

Module type	CSUN 250-60P
Maximum Power-P _{max}	185
Maximum Power Voltage-V _{mp} (V)	34.5
Maximum Power Current-I _{mp} (A)	7.10
Open Circuit Voltage(V)-V _{oc} (V)	27.9
Short Circuit Current(A)-I _{sc} (A)	6.64

Normal Operating Cell Temperature(NOCT):irradiance 800W/m²;wind speed 1m/s; cell temperature 45 °C;ambient temperature 20 °C.Certified in accordance with IEC61215, IEC61730-1/2 and UL1703.

MULTICRYSTALLINE MODULES LDK-235P-20 Value Series



ELECTRIC CHARACTERISTICS (STC*)

TYPE	225P-20	230P-20	235P-20	240P-20
Nominal Power (P _{max}) [W]	225	230	235	240
Voltage at P _{max} (V _{mp}) [V]	29.0	29.3	29.5	29.8
Current at P _{max} (I _{mp}) [A]	7.78	7.88	7.98	8.08
Open Circuit Voltage (V _{oc}) [V]	36.6	36.9	37.1	37.3
Short Circuit Current (I _{sc}) [A]	8.36	8.43	8.50	8.56
Tolerance on Nominal Power [W]	-0/+5	-0/+5	-0/+5	-0/+5
Maximum System Voltage	IEC EN: 1000 V / UL: 600 V			
Cell Efficiency [%]	15.41	15.75	16.09	16.44
Module Efficiency [%]	13.79	14.09	14.40	14.70

STC* (Standard Test Conditions): Irradiance 1000 W/m², Module Temperature 25 °C, Air Mass 1.5
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/-3%

ELECTRICAL PERFORMANCE AT NOCT

TYPE	225P-20	230P-20	235P-20	240P-20
Power Output (P _{max}) [W]	164	167	171	175
Voltage at P _{max} (V _{mp}) [V]	26.4	26.5	26.8	27.1
Current at P _{max} (I _{mp}) [A]	6.22	6.30	6.38	6.46
Open Circuit Voltage (V _{oc}) [V]	33.9	34.2	34.4	34.5
Short Circuit Current (I _{sc}) [A]	6.77	6.82	6.88	6.93

NOCT: Irradiance 800 W/m², Module Temperature 45±2°C, Wind Speed 1 m/s
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/-3%