MULTICRYSTALLINE MODULE
LDK-200P/210P/220P/230P/240P-20



LDK SOLAR ENERGY SYSTEMS

ELECTRICAL CHARACTERISTICS

TYPE	LDK-200P-20	LDK-210P-20	LDK-220P-20	LDK-230P-20	LDK-240P-20
Max Power at STC* (Pmax) [W]	200	210	220	230	240
Max Power Tolerance [%]	±3				
Max Power Voltage (Vmp) [V]	29.6	29.7	29.8	29.9	30
Max Power Current (Imp) [A]	6.75	7.07	7.4	7.68	7.98
Open Circuit Voltage (Voc) [V]	36	36.1	36.5	36.8	36.9
Open Circuit Current (Isc) [A]	7.82	7.83	8.14	8.34	8.35
Maximum System Voltage (VCD) [V]	1000				
Cell Efficiency ηc [%]	14.12	14.83	15.53	16.24	16.94
Modul Efficiency ηm [%]	12.25	12.87	13.48	14.09	14.70
Solar Cell Type	Multicrystalline Silicon Solar Cells 156x156 mm				
Number of Cells	60 (6x10)				
Temperature Coefficient of Pmax [%/°C]	-0.45				
Temperature Coefficient of Voc [%/°C]	-(0.34±0.01)				
Temperature Coefficient of Isc [%/°C]	0.065				
NOCT (Nominal Operation Cell Temp.) [°C]	45±2				

STC (Standard Test Condition): irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5*

MECHANICAL CHARACTERISTICS

TYPE	LDK-200P-20	LDK-210P-20	LDK-220P-20	LDK-230P-20	LDK-240P-20
Dimensions of Module AxBxC* [mm]	1642x994x40				
Weight [kg]	20				
Type of Connector	MC4				

PACKING CONFIGURATION

TYPE	LDK-200P-20	LDK-210P-20	LDK-220P-20	LDK-230P-20	LDK-240P-20
Packing Configuration	2 pcs./box				
Quantity/Pallet	32 pcs./pallet or 38 pcs./pallet				
Loading Capacity	416 pcs./40 ft or 494 pcs./40 ft. (H)				

ABSOLUTE RATINGS

TYPE	LDK-200P-20	LDK-210P-20	LDK-220P-20	LDK-230P-20	LDK-240P-20
Dielectric Insulation Voltage (VCD) [V]	< 3000				
Operating Temperature [°C]	-40 ÷ +85				
Storage Temperature [°C]	-40 ÷ +85				

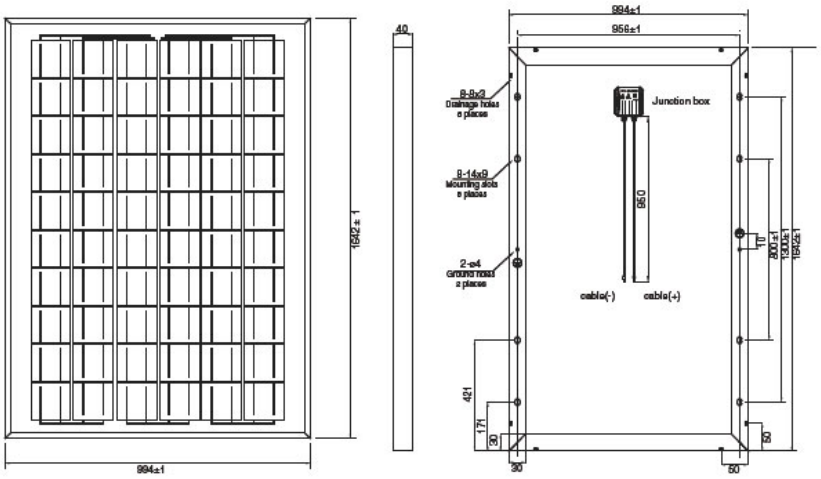
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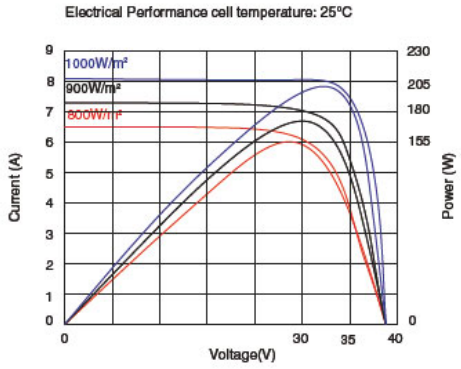


LDK SOLAR ENERGY SYSTEMS

DIMENSIONS



IV CURVE



WARRANTY

Manufacturer	5 year
Power Output	90% for 10 years and 80% for 25 years

CERTIFICATIONS

IEC61215 - IEC61730 - UL1703 - CE