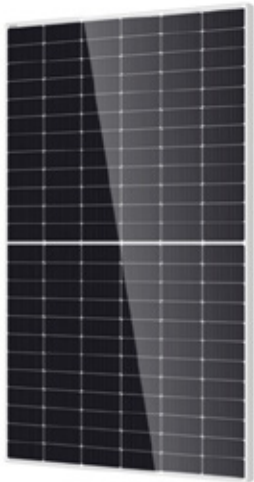


SOLAR PANNELS



535w~550w

M10 solar modules

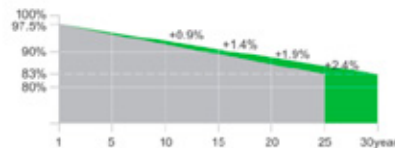
Mono MBB perc large size half cut module

IEC 61215 / IEC 61730
ISO 9001 : Quality Management System
ISO 14001 : Environment Mangement System
OHSAS 18001 : Occupational Health and Safety Management System

KEY FEATURES

- High module conversion efficiency, through superior manufacturing technology
- Guaranteed power output tolerance from 0 to +5W
- Excellent performance under low-light irradiance environment
- Anodized aluminum is mainly for improving corrosion resistance
- Highly transparent, low iron tempered glass
- Entire module certified to withstand high wind loads(2400Pa) and snow load(5400Pa)

WARRANTY



12 years

12-year Warranty for Materials and Processing

30 years

30-year Warranty for Extra Linear Power Output

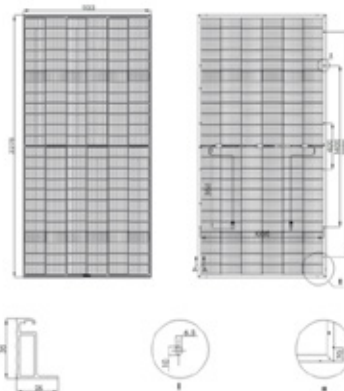
ELECTRICAL SPECIFICATIONS

Model Type	TDC535M10-72	TDC540M10-72	TDC545M10-72	TDC550M10-72
Peak Power (Pmax)	535W	540W	545W	550W
Module Efficiency	20.73%	20.93%	21.12%	21.31%
Maximum Power Voltage (Vmp)	40.59V	40.72V	40.85V	40.98V
Maximum Power Current (Imp)	13.19A	13.27A	13.35A	13.43A
Open Circuit Voltage (Voc)	49.17V	49.33V	49.49V	49.64V
Short Circuit Current (Isc)	13.88A	13.97A	14.05A	14.14A
Power Tolerance	0 to +5W	0 to +5W	0 to +5W	0 to +5W
Maximum System Voltage	DC 1500V			
Operating Temperature	-40°C ~+85°C			
Series Fuse Rating (A)	20A			
Number of Bypass Diode	3			
Normal Operating Cell Temperature(NOCT)	45°C±2°C			

MECHANICAL SPECIFICATIONS

Cell Type	Monocrystalline 182*91mm
No. of Cells	144(6*24)
Dimensions	2278*1134*35mm(L*W*H)
Weight	27kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP65 6diodes
Cable	TUV 1*4.0mm, Length:300mm
Connectors	MC4/MC4 Comparable
Container's model	682 pcs (40' High Cube Container)

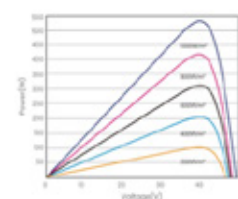
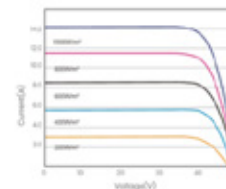
PHYSICAL CHARACTERISTICS

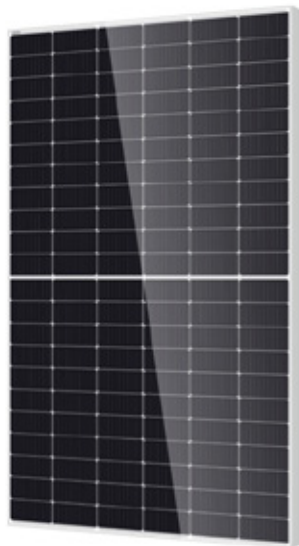


TEMPERATURE COEFFICIENT

Temp. Coeff. of Isc (TK Isc)	+0.065%/°C
Temp. Coeff. of Voc (TK Voc)	-0.346%/°C
Temp. Coeff. of Pmax(TK Pmax)	-0.46%/°C

ELECTRICAL CHARACTERISTICS





495w~510w

M10 solar modules

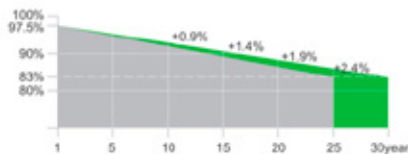
Mono MBB perc large size half cut module

IEC 61215 / IEC 61730
ISO 9001 : Quality Management System
ISO 14001 : Environment Mangement System
OHSAS 18001 : Occupational Health and Safety Management System

KEY FEATURES

- High module conversion efficiency, through superior manufacturing technology
- Guaranteed power output tolerance from 0 to +5W
- Excellent performance under low-light irradiance environment
- Anodized aluminum is mainly for improving corrosion resistance
- Highly transparent, low iron tempered glass
- Entire module certified to withstand high wind loads(2400Pa) and snow load(5400Pa)

WARRANTY



12
years

12-year Warranty for Materials and Processing

30
years

30-year Warranty for Extra Linear Power Output

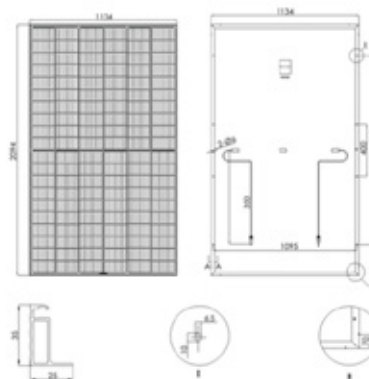
ELECTRICAL SPECIFICATIONS

Model Type	TDC495M10-66	TDC500M10-66	TDC505M10-66	TDC510M10-66
Peak Power (Pmax)	495W	500W	505W	510W
Module Efficiency	20.85%	21.06%	21.27%	21.48%
Maximum Power Voltage (Vmp)	37.68V	37.84V	38.01V	38.18V
Maximum Power Current (Imp)	13.14A	13.22A	13.29A	13.36A
Open Circuit Voltage (Voc)	45.46V	45.60V	45.73V	45.87V
Short Circuit Current (Isc)	13.99A	14.07A	14.14A	14.21A
Power Tolerance (W)	0 to +5	0 to +5	0 to +5	0 to +5
Maximum System Voltage	DC 1500V			
Operating Temperature	-40°C ~ +85°C			
Series Fuse Rating (A)	20A			
Number of Bypass Diode	3			
Normal Operating Cell Temperature(NCOT)	45°C±2°C			

MECHANICAL SPECIFICATIONS

Cell Type	Monocrystalline 182*91mm
No. of Cells	60(6*22)
Dimensions	2094*1134*35mm(L*W*H)
Weight	23kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP65 6diodes
Cable	TUV 1x4.0mm, Length:300mm
Connectors	MC4/MC4 Comparable
Container's model	682pcs (40' High Cube Container)

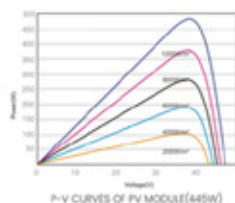
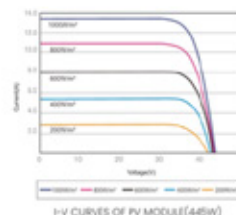
PHYSICAL CHARACTERISTICS Unit: mm

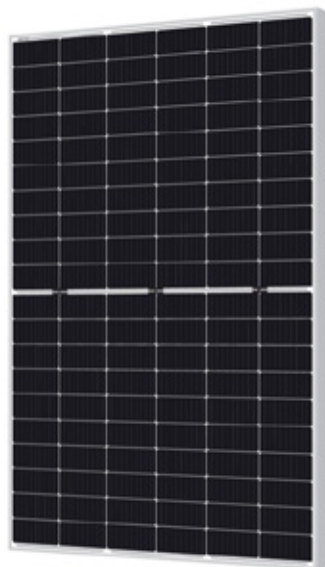


TEMPERATURE COEFFICIENT

Temp.Coeff. of Isc (TK Isc)	+0.065%/°C
Temp.Coeff. of Voc (TK Voc)	-0.346%/°C
Temp.Coeff. of Pmax (TK Pmax)	-0.46%/°C

ELECTRICAL CHARACTERISTICS





435w~450w

M10 solar modules

Mono MBB perc large size half cut module

IEC 61215 / IEC 61730

ISO 9001 : Quality Management System

ISO 14001 : Environment Management System

OHSAS 18001 : Occupational Health and Safety Management System

KEY FEATURES

- High module conversion efficiency, through superior manufacturing technology
- Guaranteed power output tolerance from 0 to +5W
- Excellent performance under low-light irradiance environment
- Anodized aluminum is mainly for improving corrosion resistance
- Highly transparent, low iron tempered glass
- Entire module certified to withstand high wind loads(2400Pa) and snow load(5400Pa)

WARRANTY



12
years

12-year Warranty for Materials and Processing

30
years

30-year Warranty for Extra-Linear Power Output

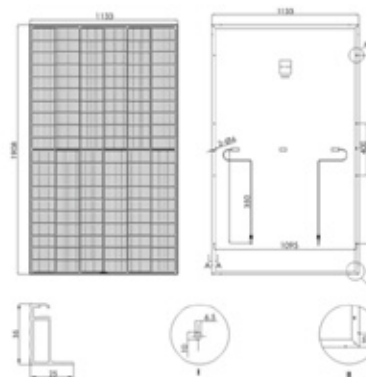
ELECTRICAL SPECIFICATIONS

Model Type	TDC435M10-60	TDC440M10-60	TDC445M10-60	TDC450M10-60
Peak Power (Pmax)	435W	440W	445W	450W
Module Efficiency	20.13%	20.36%	20.59%	20.82%
Maximum Power Voltage (Vmp)	34.16V	34.21V	34.26V	34.31V
Maximum Power Current (Imp)	12.74A	12.87A	12.99A	13.12A
Open Circuit Voltage (Voc)	41.38V	41.44V	41.50V	41.56V
Short Circuit Current (Isc)	13.41A	13.55A	13.67A	13.81A
Power Tolerance (W)	0 to +5	0 to +5	0 to +5	0 to +5
Maximum System Voltage	DC 1500V			
Operating Temperature	-40°C ~ +85°C			
Series Fuse Rating (A)	20A			
Number of Bypass Diode	3			
Normal Operating Cell Temperature (NOCT)	45°C±2°C			

MECHANICAL SPECIFICATIONS

Cell Type	Monocrystalline	182*91mm
No. of Cells	60(6*20)	
Dimensions	1906*1134*35mm(L*W*H)	
Weight	20kg	
Front Glass	High transmission tempered glass	
Frame	Anodized aluminium alloy	
Junction Box	IP67/IP65	6diodes
Cable	TUV 1×4.0mm, Length:300mm	
Connectors	MC4/MC4 Comparable	
Container's model	858pcs (40' High Cube Container)	

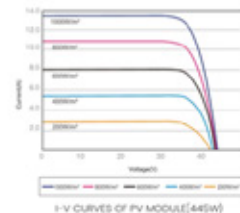
PHYSICAL CHARACTERISTICS



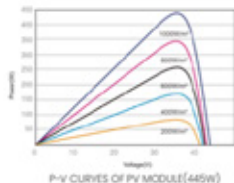
TEMPERATURE COEFFICIENT

Temp. Coeff. of Isc (TK Isc)	+0.065%/°C
Temp. Coeff. of Voc (TK Voc)	-0.346%/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46%/°C

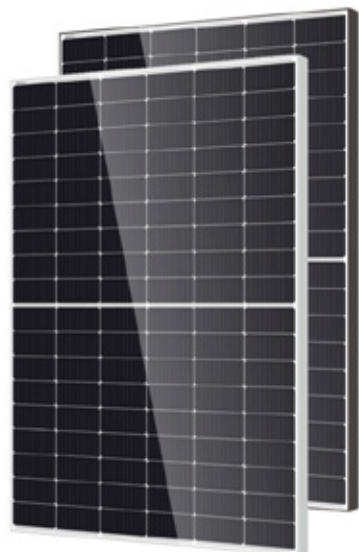
ELECTRICAL CHARACTERISTICS



I-V CURVES OF PV MODULE(445W)



P-V CURVES OF PV MODULE(445W)



400w~415w

M10 solar modules

Mono MBB perc large size half cut module

IEC 61215 / IEC 61730
ISO 9001 : Quality Management System
ISO 14001 : Environment Management System
OHSAS 18001 : Occupational Health and Safety Management System

KEY FEATURES

- High module conversion efficiency, through superior manufacturing technology
- Guaranteed power output tolerance from 0 to +5W
- Excellent performance under low-light irradiance environment
- Anodized aluminum is mainly for improving corrosion resistance
- Highly transparent, low iron tempered glass
- Entire module certified to withstand high wind loads (2400Pa) and snow load (5400Pa)

WARRANTY



12
years

12-year Warranty for Materials and Processing

30
years

30-year Warranty for Extra Linear Power Output

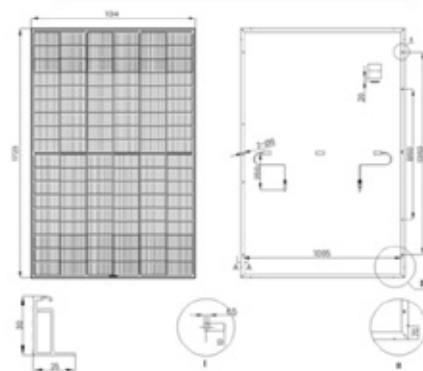
ELECTRICAL SPECIFICATIONS

Model Type	TDC400M10-54	TDC405M10-54	TDC410M10-54	TDC415M10-54
Peak Power (Pmax)	400W	405W	410W	415W
Module Efficiency	20.5%	20.75%	21.01%	21.26%
Maximum Power Voltage (Vmp)	30.55V	30.74V	30.93V	31.12V
Maximum Power Current (Imp)	13.1A	13.17A	13.26A	13.34A
Open Circuit Voltage (Voc)	37.01V	37.24V	37.47V	37.70V
Short Circuit Current (Isc)	13.79A	13.86A	13.96A	14.04A
Power Tolerance (W)	0 to +5	0 to +5	0 to +5	0 to +5
Maximum System Voltage	DC 1500V			
Operating Temperature	-40°C ~ +85°C			
Series Fuse Rating (A)	20A			
Number of Bypass Diode	3			
Normal Operating Cell Temperature (NOCT)	45°C±2°C			

MECHANICAL SPECIFICATIONS

Cell Type	Monocrystalline 182*81mm
No. of Cells	54 (6*9)
Dimensions	1723*1134*35mm (L*W*H)
Weight	18kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP65 3diodes
Cable	TUV 1*4.0mm, Length: 300mm
Connectors	MC4/MC4 Comparable
Container's model	858 pcs (40' High Cube Container)

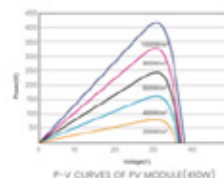
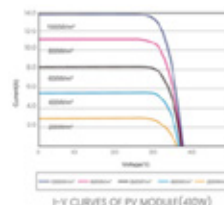
PHYSICAL CHARACTERISTICS

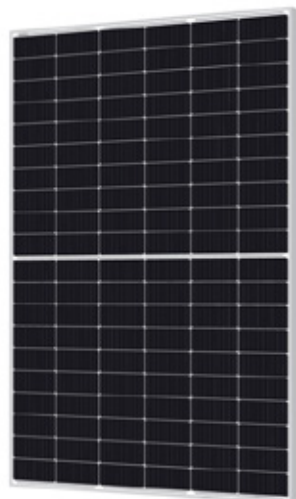


TEMPERATURE COEFFICIENT

Temp. Coeff. of Isc (TK Isc)	+0.065%/°C
Temp. Coeff. of Voc (TK Voc)	-0.346%/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46%/°C

ELECTRICAL CHARACTERISTICS





435w~450w

M6 solar modules

Mono MBB perc large size half cut module

IEC 61215 / IEC 61730

ISO 9001 : Quality Management System

ISO 14001 : Environment Management System

OHSAS 18001 : Occupational Health and Safety Management System

KEY FEATURES

- High module conversion efficiency, through superior manufacturing technology
- Guaranteed power output tolerance from -3 to +3%
- Excellent performance under low-light irradiance environment
- Anodized aluminum is mainly for improving corrosion resistance
- Highly transparent, low iron tempered glass
- Entire module certified to withstand high wind loads(2400Pa) and snow load(5400Pa)

WARRANTY



12
years

12-year Warranty for Materials and Processing

30
years

30-year Warranty for Extra Linear Power Output

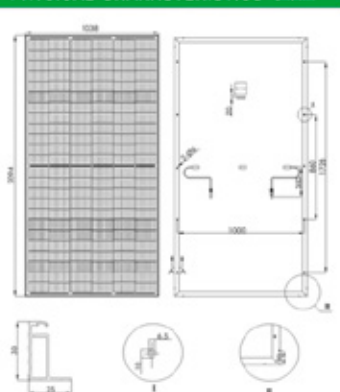
ELECTRICAL SPECIFICATIONS

Model Type	TDC435M6-72	TDC440M6-72	TDC445M6-72	TDC450M6-72
Peak Power (Pmax)	435W	440W	445W	450W
Module Efficiency	20.2%	20.25%	20.48%	20.72%
Maximum Power Voltage (Vmp)	40.79V	40.99V	41.19V	41.39V
Maximum Power Current (Imp)	10.67A	10.74A	10.81A	10.88A
Open Circuit Voltage (Voc)	49.42V	49.62V	49.86V	41.39V
Short Circuit Current (Isc)	11.28A	11.35A	11.41A	11.48A
Power Tolerance	±3%	±3%	±3%	±3%
Maximum System Voltage	DC 1500V			
Operating Temperature	-40°C ~ +85°C			
Series Fuse Rating (A)	20A			
Number of Bypass Diode	3			
Normal Operating Cell Temperature(NOCT)	45°C±2°C			

MECHANICAL SPECIFICATIONS

Cell Type	Monocrystalline 166*83mm
No. of Cells	72(6*12)
Dimensions	2094*1038*35mm(L*W*H)
Weight	22kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP65 6diodes
Cable	TUV 1*4.0mm, Length:300mm
Connectors	MC4/MC4 Comparable
Container's model	682 pos (40' High Cube Container)

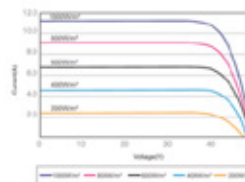
PHYSICAL CHARACTERISTICS



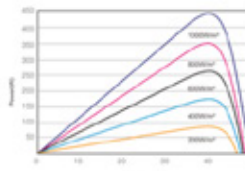
TEMPERATURE COEFFICIENT

Temp. Coeff. of Isc (TK Isc)	+0.065%/°C
Temp. Coeff. of Voc (TK Voc)	-0.345%/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46%/°C

ELECTRICAL CHARACTERISTICS



I-V CURVES OF PV MODULE(445W)



P-V CURVES OF PV MODULE(445W)



360w~375w M6 solar modules

Mono MBB perc large size half cut module

IEC 61215 / IEC 61730
ISO 9001 : Quality Management System
ISO 14001 : Environment Management System
OHSAS 18001 : Occupational Health and Safety Management System

KEY FEATURES

- High module conversion efficiency, through superior manufacturing technology
- Guaranteed power output tolerance from -3 to +3%
- Excellent performance under low-light irradiance environment
- Anodized aluminum is mainly for improving corrosion resistance
- Highly transparent, low iron tempered glass
- Entire module certified to withstand high wind loads (2400Pa) and snow load (5400Pa)

WARRANTY



12
years

12-year Warranty for Materials and Processing

30
years

30-year Warranty for Extra Linear Power Output

ELECTRICAL SPECIFICATIONS

Model Type	TDC360M6-60	TDC365M6-60	TDC370M6-60	TDC375M6-60
Peak Power (Pmax)	360W	365W	370W	375W
Module Efficiency	19.77%	20.04%	20.32%	20.59%
Maximum Power Voltage (Vmp)	33.69V	33.89V	34.09V	34.29V
Maximum Power Current (Imp)	10.69A	10.78A	10.86A	10.94A
Open Circuit Voltage (Voc)	40.92V	41.12V	41.32V	41.56V
Short Circuit Current (Isc)	11.22A	11.30A	11.39A	11.46A
Power Tolerance	±3%	±3%	±3%	±3%
Maximum System Voltage	DC 1500V			
Operating Temperature	-40°C ~ +85°C			
Series Fuse Rating (A)	20A			
Number of Bypass Diode	3			
Normal Operating Cell Temperature (NOCT)	45°C ± 2°C			

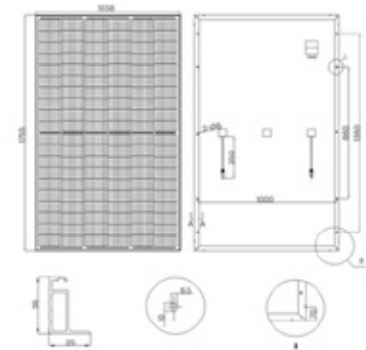
MECHANICAL SPECIFICATIONS

Cell Type	Monocrystalline 166*83mm
No. of Cells	60 (6*10)
Dimensions	1755*1038*35mm (L*W*H)
Weight	18kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/IP65 6 diodes
Cable	TUV 1*4.0mm, Length: 300mm
Connectors	MC4/MC4 Comparable
Container's model	858 pcs (40' High Cube Container)

TEMPERATURE COEFFICIENT

Temp. Coeff. of Isc (TK Isc)	+0.065%/°C
Temp. Coeff. of Voc (TK Voc)	-0.346%/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46%/°C

PHYSICAL CHARACTERISTICS Unit: mm



ELECTRICAL CHARACTERISTICS

