

STC		XR580M10N-72H/BF	XR585M10N-72H/BF	XR590M10N-72H/BF	XR595M10N-72H/BF
Nominal power	Pm(Wp)	580	585	590	595
Voltage at max power	Vmp (V)	41.8	41.93	42.06	42.21
Current at max power	Imp (A)	13.88	13.95	14.03	14.09
Open circuit voltage	Voc (V)	50.3	50.436	50.56	50.65
Short-circuit current	Isc (A)	14.55	14.62	14.7	14.92
Module efficiency	(%)	22.45%	22.65%	22.84%	23.03%

Standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C.

NOCT		XR580M10N-72H/BF	XR585M10N-72H/BF	XR590M10N-72H/BF	XR595M10N-72H/BF
Nominal power	Pm(Wp)	432.1	435.8	439.6	448.6
Voltage at max power	Vmp (V)	38.68	38.8	38.93	39.06
Current at max power	Imp (A)	11.17	11.23	11.29	11.48
Open circuit voltage	Voc (V)	47.15	47.27	47.39	47.62
Short-circuit current	Isc (A)	11.71	11.77	11.83	12.05

Normal Operating Cell Temperature (NOCT): Irradiance of 800 W/m² with spectrum AM 1.5 and a cell temperature of 20°C.

Dimensions (L x W x H,)	(mm)	2278*1134*30mm
Module Power Tolerance		0/±5w
System Voltage	(V)	1500V DC(IEC)
Temp. coefficient Voc	(%; °C)	-0.250
Temp. coefficient Isc	(%; °C)	0.045
Temp. coefficient Pm	(%; °C)	-0.290
Operating temp.	(°C)	-40°C to +85°C
NOCT	(°C)	43±3

TECHNICAL DATA

Junction box	3 bypass diodes, IP68
Wire cross section (Ø, mm ²)	4mm ²
Cable length (mm)	300mm in length
Connector type	MC4/MC4 compatible
Dimensions (L x W x H, mm)	2278*1134*30mm
Weight (kg)	32kg±3%
Cell dimensions (mm)	182*182mm
No of cells / assembly	144 /6*12
Type of cells	N-Type TOPCON
Hail resistance	Max. Ø 28 mm at 23 m/s
Series Fuse	30A
Mechanical load	5400Pa

PACKING SPECIFICATION

Item	20GP	40HC
	180pcs	720pcs

DIMENSIONS

