

Mono 60(half) cells

280~320W



ISO9001
ISO14001
OHSAS18001



High Efficiency



8000Pa Mechanical
Load Capacity



Salt Mist Corrosion
& Ammonia Resistance



Potential Induced
Degradation Free

STC (1000W/㎡ , module temp 25 °C, A.M.1.5)

Type	RS280M6-120	RS285M6-120	RS290M6-120	RS295M6-120	RS300M6-120	RS305M6-120	RS310M6-120	RS315M6-120	RS320M6-120
Power Output	280	285	290	295	300	305	310	315	320
Maxpower Tolerance	0-5W	0-5W	0-5W	0-5W	0-5W	0-5W	0-5W	0-5W	0-5W
Module Efficiency- η (%)	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5
Voltage MPP-Vmpp (V)	31.46	31.70	31.97	32.24	32.54	32.76	32.91	33.23	33.44
Current MPP-Impp (A)	8.90	8.99	9.07	9.15	9.22	9.31	9.42	9.48	9.57
Open Circuit Voltage-Voc (V)	39.43	39.62	39.85	40.01	40.24	40.55	40.81	41.13	41.47
Short Circuit Current-Isc (A)	9.28	9.36	9.45	9.54	9.61	9.70	9.81	9.88	9.96

NOCT (800W/㎡ , module temp 20°C, A.M.1.5)

Power Output	211.93	215.72	219.50	223.29	227.07	230.85	234.64	238.42	242.21
Voltage MPP-Vmpp (V)	28.18	28.40	28.64	28.88	29.15	29.35	29.48	29.77	29.96
Current MPP-Impp (A)	7.52	7.60	7.66	7.73	7.79	7.87	7.96	8.01	8.09
Open Circuit Voltage-Voc (V)	36.01	36.18	36.39	36.54	36.75	37.03	37.27	37.56	37.87
Short Circuit Current-Isc (A)	7.90	7.96	8.04	8.12	8.18	8.25	8.35	8.41	8.48

Mechanical Data

Module Demision (mm)	1655*992*40
Weight (KG)	20.0
Cable	TUV certificated 4mm ²
Glass	High transmission glass 3.2mm
Junction Box	IP68, 3 bypass diode
Connector	comptible with MC4 plug

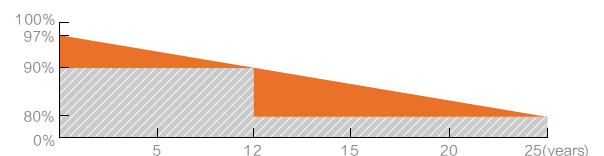
Working Conditions

Maxsystem Voltage(VDC)	1000V
Series Fuse Rating	15A
Mechanical Load	≥5400Pa
Operating Temp(°C)	-40~+85
Module Grade	A

Temperature

Temp Coefficient Isc (%/°C)	0.050
Temp Coefficient Voc (%/°C)	-0.334
Temp Coefficient Pmpp (%/°C)	0.445
NOCT	45 ± 2 °C

Linear Performance Warranty



10
years

Material & Craft
Quality Assurance

12
years

90% Output
Power Guarantee

25
years

80% Output
Power Guarantee

Quality Assurance Power Guarantee Power Guarantee