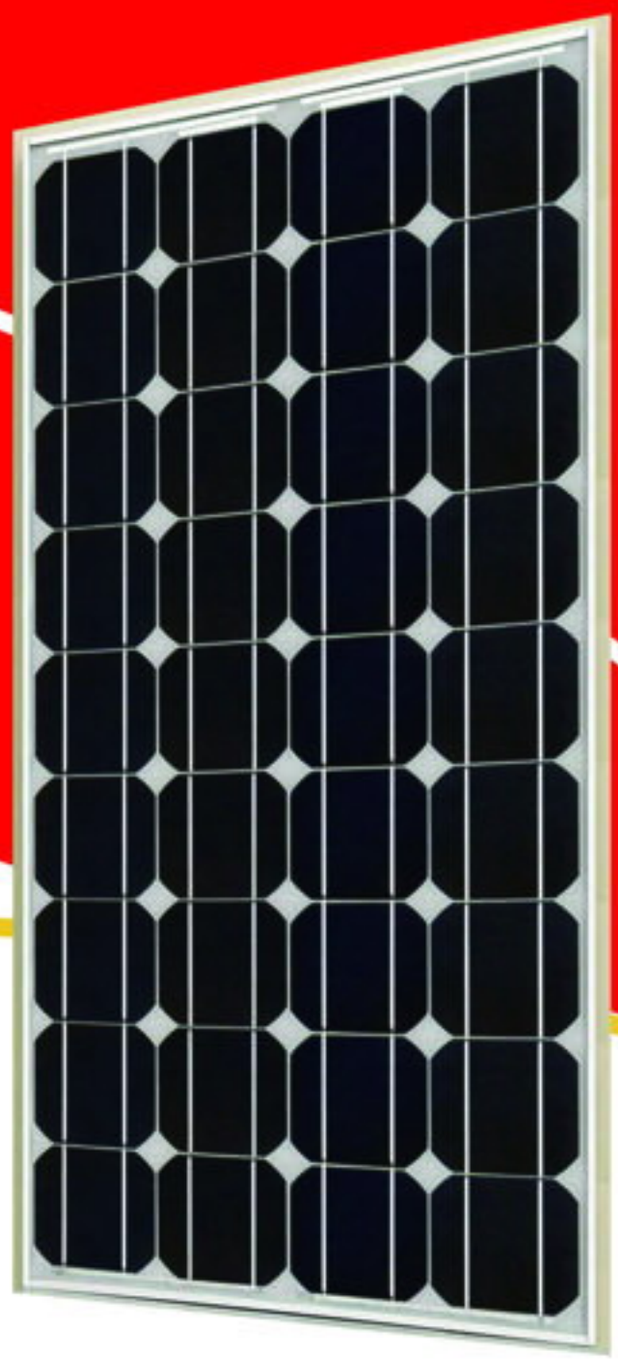
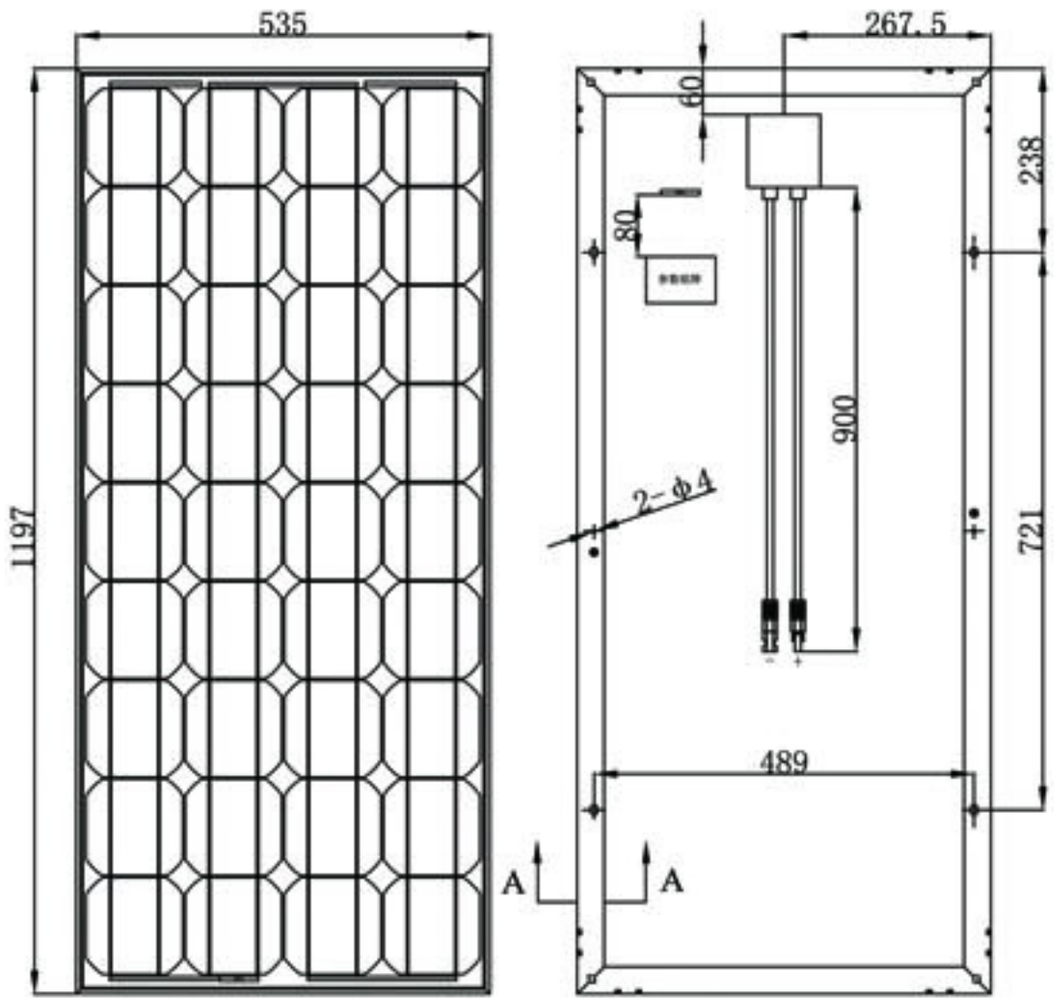


SR MODULE

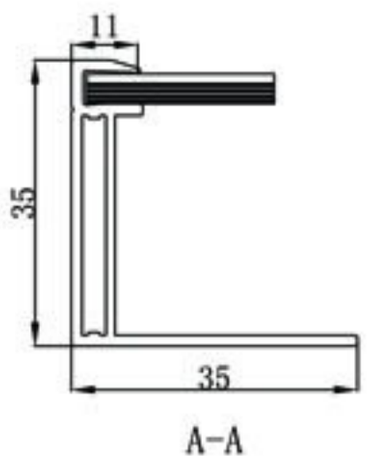
SR-M536100 SR-M53695
SR-M53690 SR-M53685

STRENGTHS	WARRANTY	INSURANCE	CERTIFICATES
- Tolerance ±3% - Plug & Play Connectors - High Transmission,Low Iron Tempered Glass - Bypass Diodes Protection	- Manufacturing 10 years - Power production 90%: 10 years 80%: 25 years	- Insured by CHUBB	CE ISO

PHYSICAL CHARACTERISTICS Unit:mm



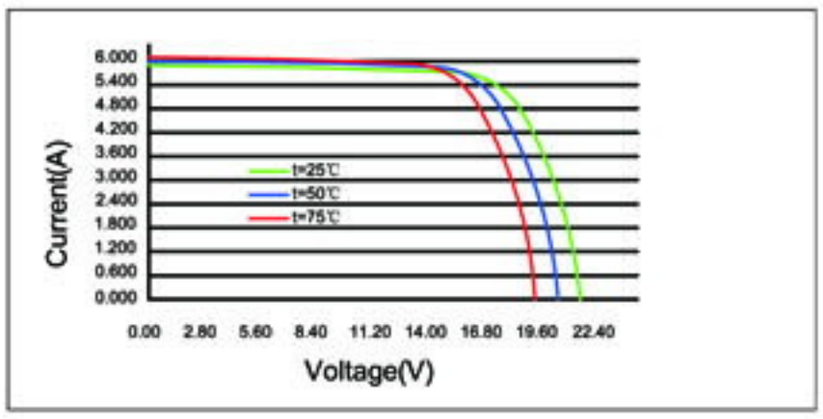
Dimensions	(mm)	1197×535×35
Weight	(kg)	7.8
Quantity/Pallet	28 pcs/pallet	
Loading Capacity	448 pcs/20' GP	
	1008 pcs/40' GP	

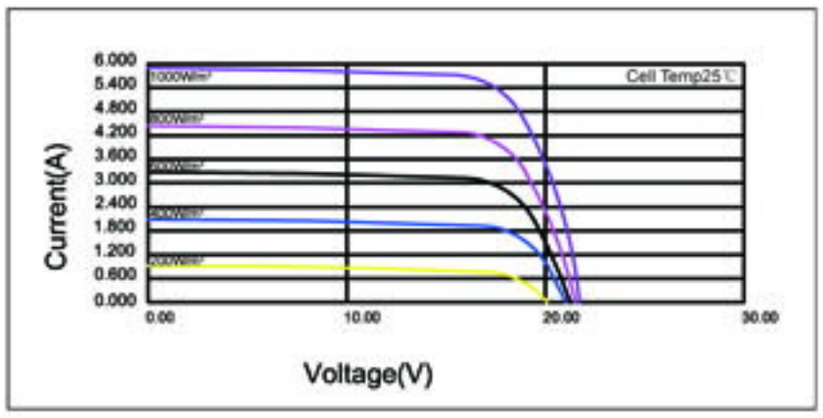


SPECIFICATIONS

Module Type		SR-M536100	SR-M53695	SR-M53690	SR-M53685
Maximum Power	Pm(W)	**100W**	**95W**	**90W**	**85W**
Tolerance	(%)	±3	±3	±3	±3
Open Circuit Voltage	Voc(V)	22.60	22.30	21.90	21.70
Short Circuit Current	Isc(A)	5.90	5.70	5.50	5.25
Maximum Power Voltage	Vm(V)	18.25	18.00	17.70	17.50
Maximum Power Current	Im(A)	5.48	5.28	5.09	4.86
Module Efficiency	(%)	15.60	14.80	14.10	13.30
Solar Cell Efficiency	(%)	18.43	17.48	16.60	15.95
Cell Type	(mm)	125×125 (Mono-Crystalline Silicon)			
Number of Cells	(Pcs)	36 (4×9)			
Maximum System Voltage	(V)	DC1000			
Temp.Coeff.of Voc	(%/℃)	-0.35			
Temp.Coeff.of Isc	(%/℃)	0.038			
Temp.Coeff.of Pm	(%/℃)	-0.49			
Operating Temperature	(℃)	-40 to 85			
Nominal Operating Cell Temperature(NOCT)	(℃)	45±2			
Max.Series Fuse	(A)	14			
Wind Bearing	(Pa)	2400			
Pressure Bearing	(Pa)	5400			
STC(Standard Test Conditions): 1000W/m² AM=1.5 25℃					

ELECTRICAL CHARACTERISTICS





		1000 W/m²	800 W/m²	600 W/m²	400 W/m²	200 W/m²	100 W/m²
SR-M536100	Vmpp	18.25	18.09	17.87	17.61	17.14	16.74
	Impp	5.48	4.38	3.27	2.19	1.07	0.66
SR-M53695	Vmpp	18.00	17.89	17.62	17.37	16.90	16.51
	Impp	5.28	4.22	3.15	2.11	1.03	0.63
SR-M53690	Vmpp	17.70	17.59	17.33	17.08	16.62	16.23
	Impp	5.09	4.07	3.04	2.03	1.00	0.61
SR-M53685	Vmpp	17.50	17.40	17.13	16.89	16.43	16.05
	Impp	4.86	3.89	2.90	1.94	0.95	0.58

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