



## SOLAR PV MODULE (DCR/NON-DCR) 144 HALF CUT MONO PERC CELL RANGE - 10W TO 575W

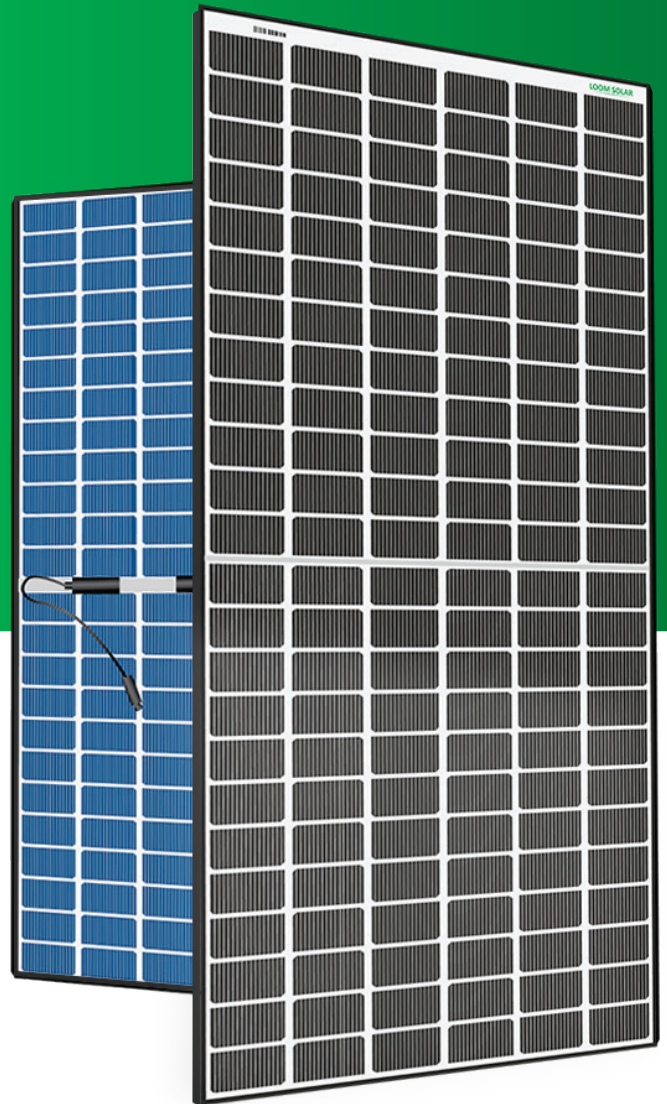
High Performance Guarantee!



25 years  
performance  
warranty



Multi Bus Bar



### Leading Features



Ideal For Rooftop Installations



High Power



Better Shading Tolerance



Lower Lcoe & System Cost



Excellent Temperature Performance

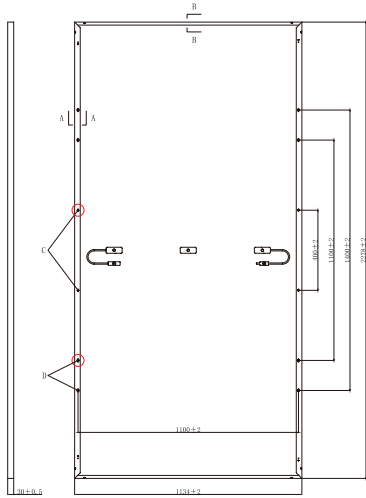
### Increased Shade Tolerance

#### HALF-CELL MODULE

Functions like two parallel modules, enabling the half-cell string to work in partial shading



# Solar PV Module



A Long Frame

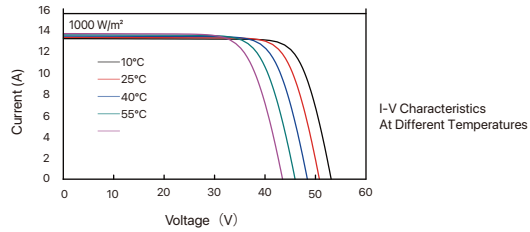


B Short Frame



D Mounting Hole

I-V Curves of PV Module



Mounting Hole

Model Name	SHARK 10	SHARK 20	SHARK 55	SHARK 225	SHARK 455	SHARK 455 Bifacial	SHARK 550	SHARK 550 Bifacial	SHARK 575 Bifacial
Power (Pm) in watts	10	20	55	225	455	455	550	550	575
No. of cell	36	36	36	72	144	144	144	144	144
No. of Bus Bar	2	2	9	9	9	9	10	10	16
Voltage at Maximum Power (Vmp) in Volts	19.25	19.25	21.00	21.00	42.30	42.30	42.74	42.40	43.00
Current at Maximum Power (Imp) in Amps	0.52	1.04	2.62	10.72	10.76	10.80	12.89	12.98	13.38
Open Circuit Voltage (Voc) in volts	22.50	22.50	24.50	25.00	49.50	49.50	49.60	50.20	50.50
Short Circuit Current (Isc) in Amps	0.58	1.11	2.83	11.45	11.50	11.55	13.72	13.82	14.30
Maximum system Voltage (VDC)	600	600	1000	1000	1500	1500	1500	1500	1500
Module Efficiency (%)	14%	14.20%	18%	20.4%	20.95%	21.00%	21.35%	21.40%	22.30%

STC: Irradiance 1000W/m<sup>2</sup>, Ambient Temperature 25°C, Air mass 1.5, Measuring Tolerance +3%

## MECHANICAL DATA

Junction Box	Ip65 & above with Diodes		IP68 Rated with Diodes						
Glass	High Transmission Low Iron Tempered Solar Glass								
Cells Encapsulate	Ethylene Vinyl Acetate (EVA) - FC/UFC								
Back sheet	Composite Film - White								
Frame	Black / Silver Anodized Aluminium Frame with Twin Wall Profile								
Mechanical Load Test	Sustain Heavy Wind & Snow Loads (2400 Pa & 5400 Pa or 550Kg /m2)								
Max Series Fuse Rating	6A	6A	10A	15A	25 A	25 A	30A	30A	30A
Module Weight (Kg)	1 kg	2 kg	4 kg	14 kg	25 kg	28 kg	29 kg	32 kg	32 kg
Technology	Poly Crystalline			Mono PERC					TOPCon
Annual Electricity Generation(kWh)	25	45	115	475	950	955	1160	1165	1210

Dimension in mm	L	350	435	440	1590	2094	2094	2278	2278	2278
	W	225	350	700	700	1038	1038	1133	1134	1134
	H	22	22	30	30	35	30	35	30	30
Mounting Holes	X Pitch	225	322	670	670	989	998	1084	1095	1095
	Y Pitch	182	288	205 & 300	800 & 1176	1176 & 1600	1176 & 1676	400 & 1100	1176	1100 & 1400

## WARRANTY & CERTIFICATION

Performance Warranty *	25 Years (90% module efficiency after 10 Years, 80% module efficiency after 25 Years)
Certificates	IS:14286, IS-61215, IS-61730

\*Refer solar module warranty card document

\*Technical Parameters are subject to change without any prior notice.