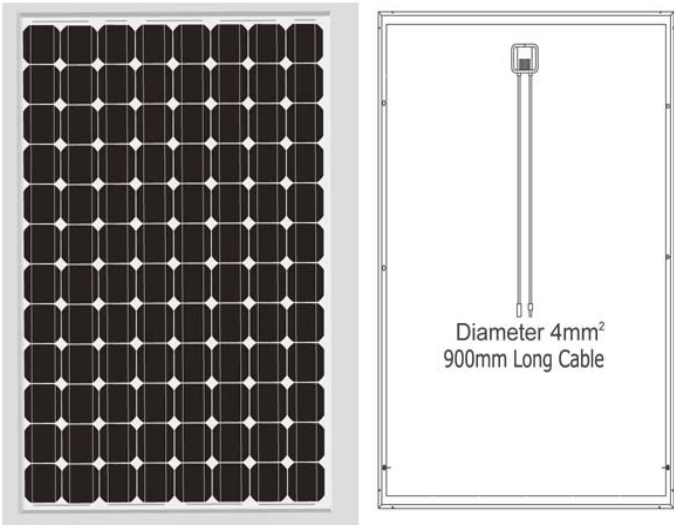


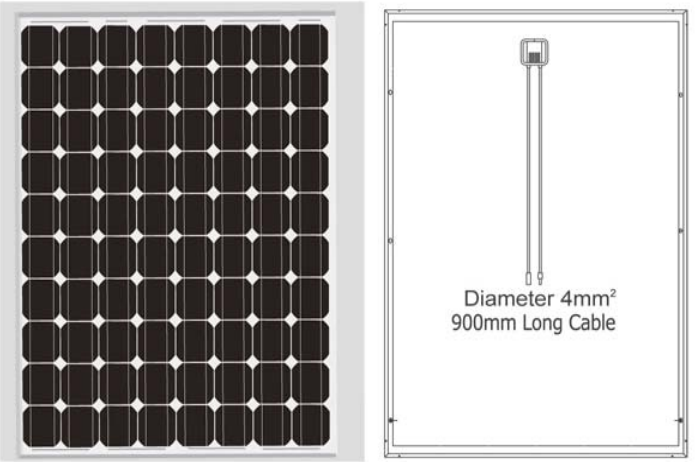
SPV240M-24 Monocrystalline Solar Module

DRAWING		SPECIFICATION		LIMIT	
	Cell	Monocrystalline Silicon Solar Cell 125mmx125mm		Operating Temperature	-40°C to +85°C
	No. of cells and connection	96 / 8 x 12pcs		Max. system voltage	1000V
	Module dimension	1582 x 1062 x 50mm		Max. fuse / current rating	10A
	Module weight	20Kgs			
	Temperature Coefficient of Module				
Isc	0.03273%				
Voc	-0.29851%				
Pmpp	-0.41438%				



Characteristics										
Module Model		SPV215M-24	SPV220M-24	SPV225M-24	SPV230M-24	SPV235M-24	SPV240M-24	SPV245M-24	SPV250M-24	SPV255M-24
Maximum Power (Pmax)	W	215	220	225	230	235	240	245	250	255
Encapsulation		Glass/EVA/Cells/ EVA/Backsheet								
Cell Efficiency	%	15.1	15.4	15.8	16.1	16.5	16.8	17.2	17.5	17.9
Tolerance	%	+3% -0%								
No. of bypass diodes		4								
Open Circuit Voltage (Voc)	V	58.5	58.9	59.3	59.4	59.8	60.0	60.0	60.1	60.1
Short Circuit Current (Isc)	A	5.1	5.12	5.13	5.18	5.22	5.30	5.48	5.55	5.61
Maximum Power Voltage (Vmp)	V	46.3	47.0	47.7	47.8	47.9	48.0	48.1	48.4	48.9
Maximum Power Current (Imp)	A	4.65	4.68	4.72	4.81	4.91	5.00	5.09	5.17	5.22
STC: Irradiance 1000W/m2 , Module temperature 25°C , AM1.5 Product Standards: IEC61215,IEC61730.										

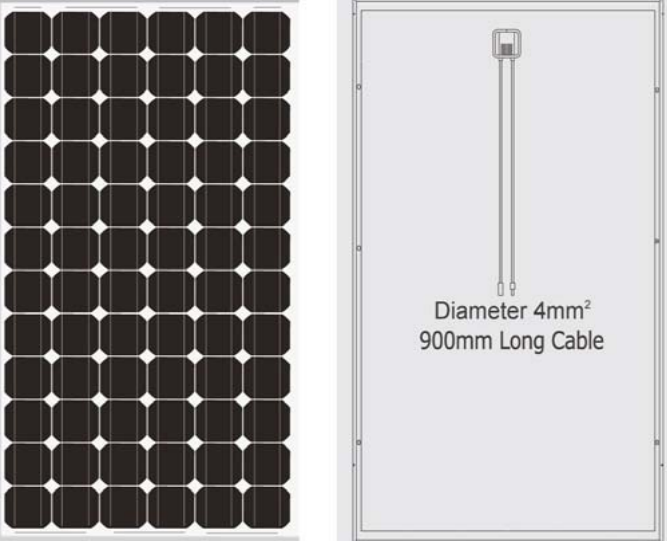
SPV200M-20 Monocrystalline Solar Module

DRAWING	SPECIFICATION		LIMIT	
	Cell	Monocrystalline Silicon Solar Cell 125mm×125mm	Operating Temperature	-40℃ to +85℃
	No. of cells and connection	80 / 8 x 10pcs	Max. system voltage	1000V
	Module dimension	1328 x 1062 x 50mm	Max. fuse / current rating	10A
	Module weight	18Kgs		
	Temperature Coefficient of Module			
	Isc	0.03273%		
	Voc	-0.29851%		
Pmpp	-0.41438%			



Characteristics										
Module Model		SPV180M-20	SPV185M-20	SPV190M-20	SPV195M-20	SPV200M-20	SPV205M-20	SPV210M-20	SPV215M-20	SPV220M-20
Maximum Power (Pmax)	W	180	185	190	195	200	205	210	215	220
Encapsulation		Glass/EVA/Cells/ EVA/Backsheet								
Cell Efficiency	%	15.2	15.6	16	16.4	16.8	17.3	17.7	18.1	18.5
Tolerance	%	+3% -0%								
No. of bypass diodes		4								
Open Circuit Voltage (Voc)	V	49.1	49.2	49.4	49.7	50.0	50.1	50.2	50.2	50.3
Short Circuit Current (Isc)	A	5.11	5.13	5.17	5.20	5.30	5.50	5.58	5.65	5.75
Maximum Power Voltage (Vmp)	V	38.7	39.4	39.6	40.0	40.0	40.0	40.4	40.7	40.9
Maximum Power Current (Imp)	A	4.65	4.70	4.80	4.88	5.00	5.13	5.20	5.28	5.38
STC: Irradiance 1000W/m2 , Module temperature 25℃ , AM1.5 Product Standards: IEC61215,IEC61730.										

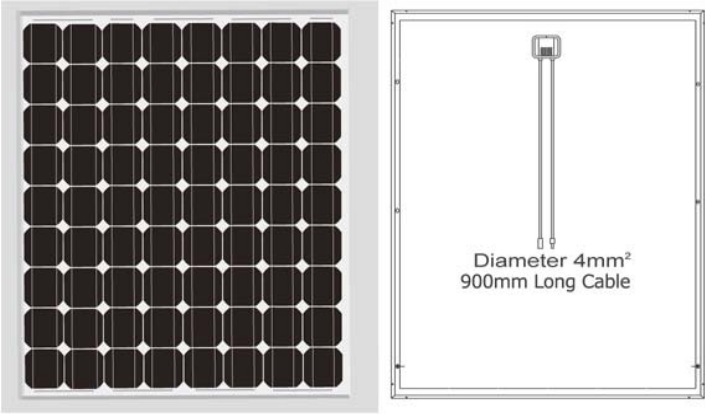
SPV180M-24 Monocrystalline Solar Module

DRAWING		SPECIFICATION		LIMIT	
	Cell	Monocrystalline Silicon Solar Cell 125mmx125mm		Operating Temperature	-40°C to +85°C
	No. of cells and connection	72 / 6 x 12pcs		Max. system voltage	1000V
	Module dimension	1580 x 808 x 35mm		Max. fuse / current rating	10A
	Module weight	16Kgs			
	Temperature Coefficient of Module				
Isc	0.03273%				
Voc	-0.29851%				
Pmpp	-0.41438%				



Characteristics										
Module Model		SPV165M-24	SPV170M-24	SPV175M-24	SPV180M-24	SPV185M-24	SPV190M-24	SPV195M-24		
Maximum Power (Pmax)	W	165	170	175	180	185	190	195		
Encapsulation		Glass/EVA/Cells/ EVA/Backsheet								
Cell Efficiency	%	15.4	15.9	16.4	16.8	17.3	17.8	18.2		
Tolerance	%	+3% -0%								
No. of bypass diodes		3								
Open Circuit Voltage (Voc)	V	44.2	44.5	44.8	45.0	45.0	45.1	45.2		
Short Circuit Current (Isc)	A	5.12	5.15	5.20	5.30	5.50	5.60	5.70		
Maximum Power Voltage (Vmp)	V	35.3	35.9	36.0	36.0	36.3	36.5	36.8		
Maximum Power Current (Imp)	A	4.68	4.74	4.86	5.00	5.10	5.20	5.30		
STC: Irradiance 1000W/m2 , Module temperature 25°C , AM1.5 Product Standards: IEC61215,IEC61730.										

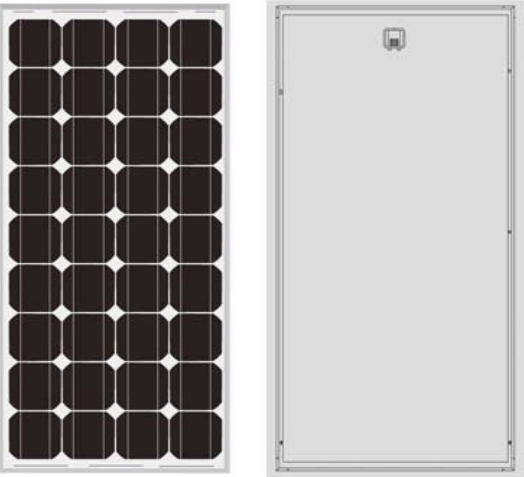
SPV180M-18 Monocrystalline Solar Module

DRAWING	SPECIFICATION		LIMIT	
	Cell	Monocrystalline Silicon Solar Cell 125mmx125mm	Operating Temperature	-40°C to +85°C
	No. of cells and connection	72 / 8 x 9pcs	Max. system voltage	1000V
	Module dimension	1199 x 1060 x 35mm	Max. fuse / current rating	10A
	Module weight	16Kgs		
	Temperature Coefficient of Module			
	Isc	0.03273%		
	Voc	-0.29851%		
Pmpp	-0.41438%			



Characteristics										
Module Model		SPV165M-18	SPV170M-18	SPV175M-18	SPV180M-18	SPV185M-18	SPV190M-18	SPV195M-18		
Maximum Power (Pmax)	W	165	170	175	180	185	190	195		
Encapsulation		Glass/EVA/Cells/ EVA/Backsheet								
Cell Efficiency	%	15.4	15.9	16.4	16.8	17.3	17.8	18.2		
Tolerance	%	+3% -0%								
No. of bypass diodes		4								
Open Circuit Voltage (Voc)	V	44.2	44.5	44.8	45.0	45.0	45.1	45.2		
Short Circuit Current (Isc)	A	5.12	5.15	5.20	5.30	5.50	5.60	5.70		
Maximum Power Voltage (Vmp)	V	35.3	35.9	36.0	36.0	36.3	36.5	36.8		
Maximum Power Current (Imp)	A	4.68	4.74	4.86	5.00	5.10	5.20	5.30		
STC: Irradiance 1000W/m2 , Module temperature 25°C , AM1.5 Product Standards: IEC61215,IEC61730.										

SPV090M-18 Monocrystalline Solar Module

DRAWING	SPECIFICATION		LIMIT	
	Cell	Monocrystalline Silicon Solar Cell 125mmx125mm	Operating Temperature	-40°C to +85°C
	No. of cells and connection	36 / 4 x 9pcs	Max. system voltage	1000V
	Module dimension	1196 x 534 x 35mm	Max. fuse / current rating	10A
	Module weight	8Kgs		
	Temperature Coefficient of Module			
	Isc	0.03273%		
	Voc	-0.29851%		
Pmpp	-0.41438%			



Characteristics

Module Model		SPV085M-18	SPV090M-18	SPV095M-18
Maximum Power (Pmax)	W	85	90	95
Encapsulation		Glass/EVA/Cells/ EVA/Backsheet		
Cell Efficiency	%	15.9	16.8	17.8
Tolerance	%	+3% -0%		
No. of bypass diodes		2		
Open Circuit Voltage (Voc)	V	22.2	22.5	22.6
Short Circuit Current (Isc)	A	5.15	5.30	5.60
Maximum Power Voltage (Vmp)	V	17.7	18.0	18.3
Maximum Power Current (Imp)	A	4.80	5.0	5.20
STC: Irradiance 1000W/m ² , Module temperature 25°C, AM1.5 Product Standards: IEC61215,IEC61730.				