

Calpan Co., Ltd., Osaka, Japan

Photovoltaic Module

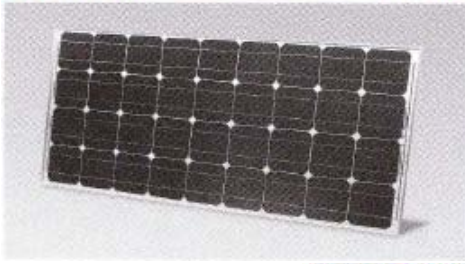
Clean Energy for our life

Products totally MADE IN JAPAN

Monocrystalline Silicon Module for Large-scale Solar Cell Panels

Large-scale and efficient modules born from our excellent expertise accumulated over many years will be good for the usage such as the grid input systems and the decentralized off-grid systems from 50 to 120W.

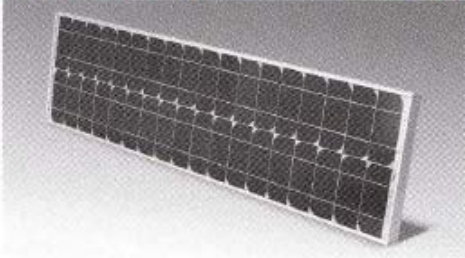
GT120 120W



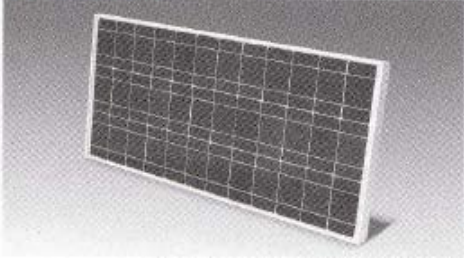
GT80 80W



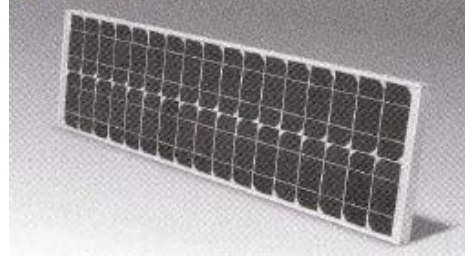
GT136MS 55W



GT136S 55W



GT133S 50W



Monocrystalline Silicon Module for small/medium-scale Solar Cell Panels

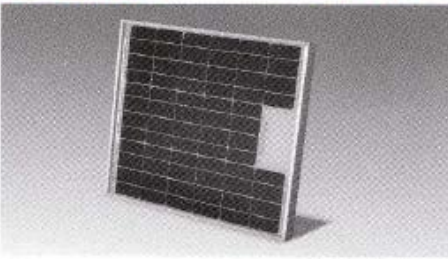
For small-scale systems, the modules from 2.3A/12V to 180mA/6V are prepared as a line-up.

The same super-straight type as for the large-scale modules assures the high reliability and performance. Moreover, a substraight type with backing cover of the aluminum board is excellent for its lightness and thinness.

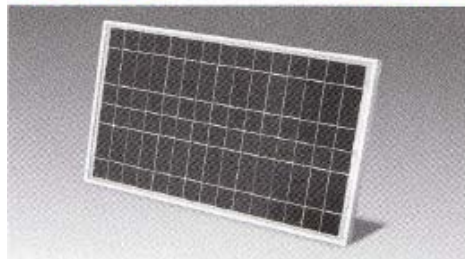
GT40 40W



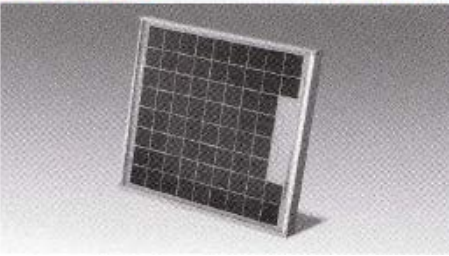
GT234S 26W/12V系



GT230S 23W/12V系



GT434S 13W/12V系



GT634 8.5W/12V系



GT833S-TF 6W/12V系



GT1633-TF 2.8W/12V系



GT618 4.5W/6V系



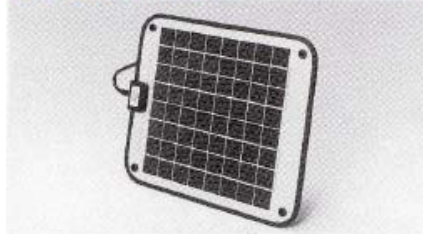
GT1618-MF 1.5W/6V系



BT432S-MRN 12W/12V系



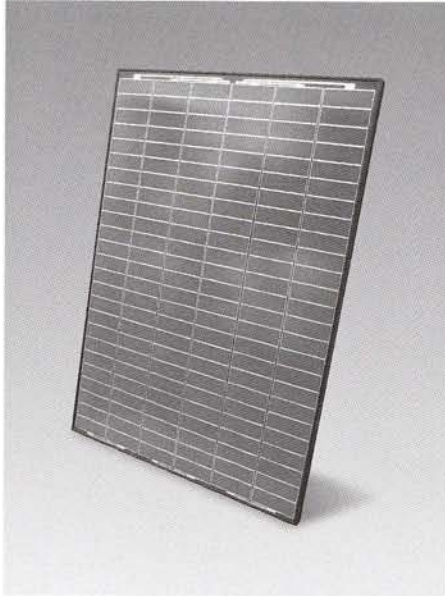
BT832-MRN 5.6W/12V系



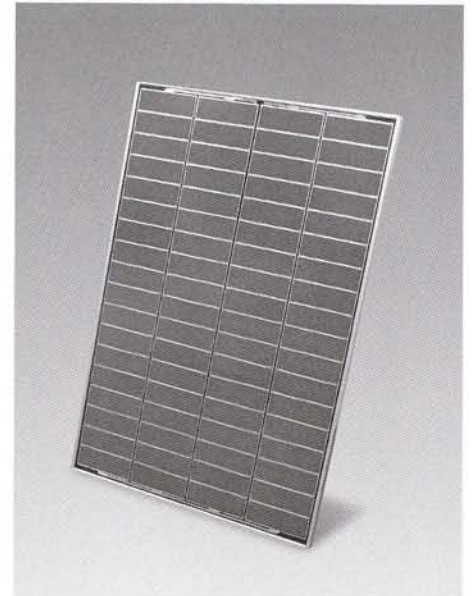
Condenser type Globular Silicon Solar Cell Modules

New Products

KSP150



KSP72-2P



Specifications List

Monocrystalline Silicon Module for Large-scale Solar Cell Panels

Module type	Nominal Output Power						Module size (mm) W×D×H	Nominal Weight (kg)
	Pm (W)	Ipm (A)	Vpm (V)	Isc (A)	Voc (V)	Application Voltage (V)		
※ GT120	120	6.9	17.4	7.5	21.7	12	1480×666×35	12.5
※ GT80	80	4.6	17.4	5	21.7	12	1000×660×35	8.3
GT136MS	55	3.15	17.4	3.45	21.7	12	1293×329×35	5.5
GT136S	55	3.15	17.4	3.45	21.7	12	977×440×35	5.5
GT133S	50	3.05	16.4	3.35	20.5	12	1218×335×35	5.4

Monocrystalline Silicon Module for Small/Medium-scale Solar Cell Panels

※ GT40	40	2.3	17.4	2.5	21.6	12	535×666×35	4.5
GT234S	26	1.57	16.4	1.71	20.5	12	528×448×35	3.2
GT230S	23	1.57	14.4	1.71	18.1	12	580×343×35	3.0
GT434S	13	0.79	16.4	0.86	20.5	12	378×349×35	2.0
GT634	8.5	0.52	16.4	0.57	20.5	12	372×242×35	1.5
GT833S-TF	6.0	0.37	16.4	0.40	20.4	12	330×210×16	0.9
GT1633-TF	2.8	0.18	15.5	0.20	19.4	12	192×210×16	0.7
GT618	4.5	0.52	8.6	0.57	10.8	6	242×216×35	1.0
GT1618-MF	1.5	0.18	8.4	0.20	10.6	6	182×136×13	0.4
BT432S-MRN	12	0.79	15.3	0.86	19.3	12	393×353	1.3
BT832-MRN	5.6	0.37	15.3	0.40	19.2	12	293×247	0.7

Condenser type Globular Silicon Module

※ KSP150	150	2.09	71.8	2.17	87.7		1415×990×35	17.0
※ KSP72-2P	72	4.19	17.2	4.34	20.5	12	1015×660×35	8.4

※ For OEM business

Modules for OEM

We have made a line-up of modules specially for OEM selecting from our popular ones. Triangular module, module of colored back-covering and frame, foldable modules, etc. are purely our original products.

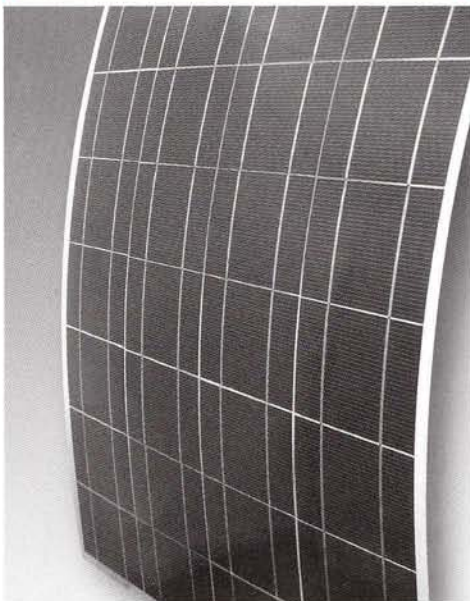
Potting



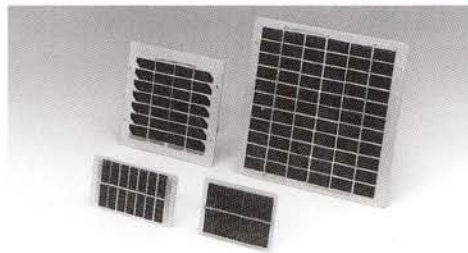
Semi-standard product

Module type	DT1407	DT1418	DT1636
Nominal Max. Output (W)	0.53	1.4	1.1
Nominal Max. operation current ... (mA)	160	160	65
Nominal Max. operation voltage ... (V)	3.3	8.6	16.9
Nominal short current (mA)	170	170	70
Nominal open voltage (V)	4.2	10.8	21.5
Size W×D×H.....(mm)	116×62×19	235×64.4×20	235×64.4×20

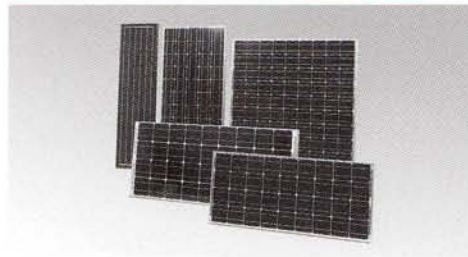
Module for Solar Car Racing



Thin and Light type



Large-scale Module



Various type (small size)

