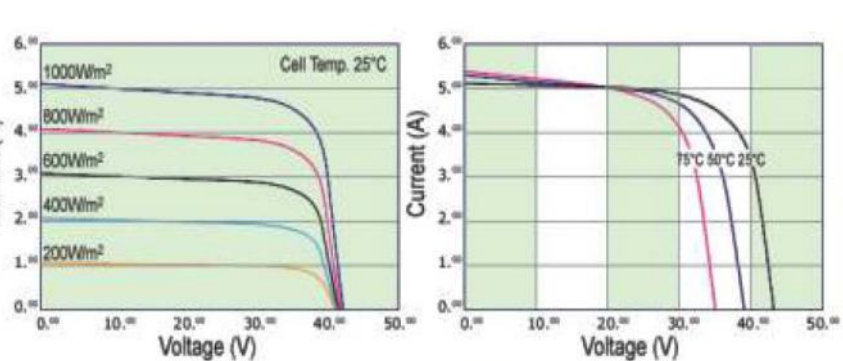


ELECTRO-OPTICAL CHARACTERISTICS

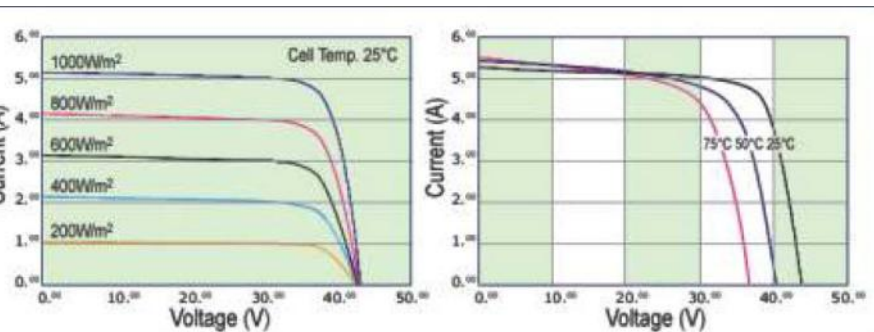
Power Tolerance	Isc (A)	Voc (V)	Im (A)	Vm (V)	Power Peak (W)	Cell Efficiency	Module Efficiency	Model	Type	Code
+/- 3%	5.15	42.80	4.60	34.90	160	15.00%	12.60%	160M - MC	FVG 72 - 125	50181
+/- 3%	5.20	43.20	4.65	35.60	165	15.50%	13.00%	165M - MC	FVG 72 - 125	50183
+/- 3%	5.25	43.60	4.76	35.80	170	16.00%	13.40%	170M - MC	FVG 72 - 125	50184
+/- 3%	5.30	43.90	4.85	36.20	175	16.50%	13.80%	175M - MC	FVG 72 - 125	50185
+/- 3%	5.35	44.20	4.90	36.80	180	17.00%	14.20%	180M - MC	FVG 72 - 125	50186
+/- 3%	5.40	44.50	4.95	37.50	185	17.50%	14.60%	185M - MC	FVG 72 - 125	50187

DIMENSIONS AND PACKING

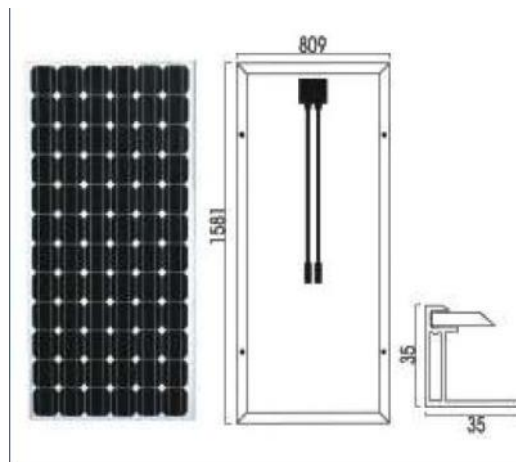
165M-MC - 72 CELLS - MONOCRYSTALLINE



FVG 180M-MC - 72 CELLS - MONOCRYSTALLINE



WARRANTY



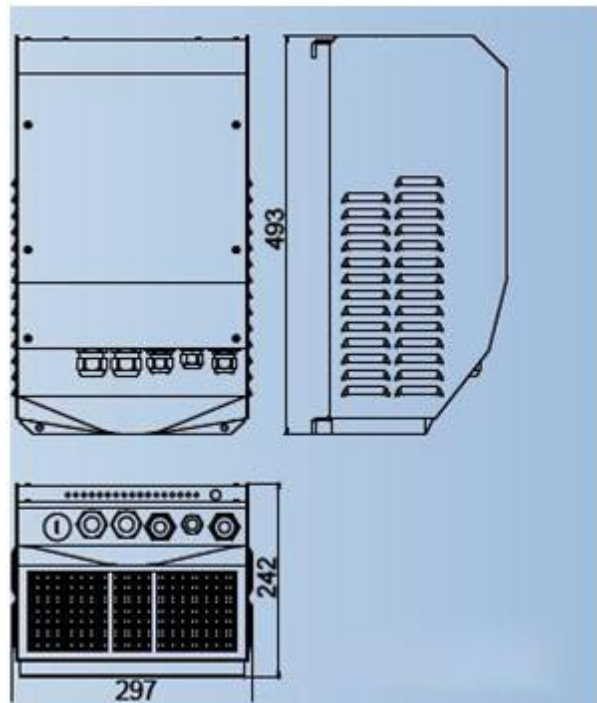
Module Dimensions mm: 1581 x 809 x 35
 Module Net Weight: kg 16 Carton
 Dimensions: cm 161 x 83 x 9 Pallet
 Dimensions: cm 165 x 85 x h195 Pallet
 Net Weight: kg 620 1 carton = 2 modules
 1 pallet = 19 cartons = 38 modules
 1 pallet of 50 modules = cm 104x164xh190
 Maxi pallet weight of 50 modules = kg 800

JUNCTION BOX



Junction box with cables and waterproof connectors. With 3 bypass diodes. Cable length cm 90. Line 3 type connectors.

Inverter & Charger



the four different types offer considerably greater power. What's more, CPS Products are equipped with PG screw fittings for strain relief and to protect all connections. The devices consist of a sine wave inverter, a battery charger, a transfer system and a voltage-free multifunctional contact. They are primarily used in hybrid systems. The integrated power sharing function ensures that the transfer system always provides the connected loads with the desired power.

Options

- types with 230 V / 50 Hz
- remote Control RCC-01
- temperature sensor CT35 to correct the operation voltages according to the actual battery temperature
- remote control RPS-01 for the function power sharing

Features

- power range 2,800 - 8,000 W
- adjustable battery charger included
- excellent overload capabilities
- adjustable, automatic load detection
- usable as back-up or UPS
- adjustable power sharing
- best reliability

Electronic Protections

- battery deep discharge protection
- battery over voltage shut down
- over temperature and over load protection
- short circuit protection
- reverse polarity protection by internal fuse
- acoustic warning before battery low or overheating disconnection

Performance Feature:

1.LCD display function: LCD screen displays important system information to users by number and English, for example: battery voltage, charging and discharging current, work mode, system parameter and system status etc

2.Automatic/manual/night function: it can be programmed and set control method of load as automatic or manual method. While manual method, the load can be opened or closed manually. At this time, night function is in void. While selecting night function, the controller closes the load in daytime. For night detection, it automatically opens the load after a period of time delay. When timing, it automatically closes the load. Time delay and timing can be programmed and set

3.Protective function: protecting the storage battery from over-charging, over-discharging, output overload, overpressure, over high temperature

4.Temperature compensation functions of float charging voltage

5.Fast charging function: when the battery voltage is lower than certain v alue, fast charging will start automatically and the controller will improve charging voltage of battery. When the battery voltage reaches ideal v alue, it starts with count down procedure of fast charging. Once time to regular, it retreats from fast charging status. Therefore, it can fully take advantage of solar energy.

6.Work mode: common charging and discharging pattern, light open and time break pattern and light open and light break pattern.

LED Light

Features & Benefits

High Power LED Streetlight 56 W



Features :

- Power Consumption: 56W
- High Brightness: 4,200lm
- 50,000 Hours life
- Save 75% energy
- 85-264VAC or 12-24VDC
- Hoop Type + different colors
- Power Factor(PF) >0.9

High Power LED Streetlight Light 28 W



Features :

- Power Consumption: 28W
- High Brightness: 2,100lm
- 50,000 Hours life
- Save 75% energy
- 85-264VAC or 12-24VDC
- E40 + different colors
- Power Factor(PF) >0.9



Features :

- Power Consumption: 168W
- High Brightness: 12,600lm
- 50,000 Hours life
- Save 75% energy
- 85-264VAC or 12-24VDC
- Hoop Type + different colors
- Power Factor(PF) >0.9



Features :

- Power Consumption: 112 W
- High Brightness: 8,400lm
- 50,000 Hours life
- Save 75% energy
- 85-264VAC or 12-24VDC
- Hoop Type + different colors
- Power Factor(PF) >0.9

Battery



Type	Nominal Voltage(V)	Capacity Ah	Weigh(Kg)
12 PM50	12	50	12.5
12 PM100	12	100	25
12 PM150	12	150	31.5
6 PM200	6	200	26