

ELECTRIC CARS BATTERY

Model	Voltage(V)	Weight(kg)	Dimension(mm)				Capacity discharge time(h)
			L(±3mm)	W(±2mm)	H(±2mm)	Total Height(Max)	
3-DZM-10	6V	1.97 kg/pc	152	50	94	103	5.0A discharge ≥120
6-DZM-5	12V	1.85 kg/pc	90	70	100	105	1.0A discharge ≥300
6-DZM-7	12V	2.7 kg/pc	152	65	94	103	3.5A discharge ≥120
6-DZM-9	12V	3.2 kg/pc	152	65	112	118	4.5A discharge ≥120
6-DZM-10	12V	4.2 kg/pc	152	99	95	101	5.0A discharge ≥120
6-DZM-10A	12V	3.7 kg/pc	115	90	128	130	5.0A discharge ≥120
6-DZM-11	12V	4.3 kg/pc	181	55	143	148	5.5A discharge ≥120
6-DZM-12	12V	4.4 kg/pc	152	99	98	103	6.0A discharge ≥120
6-DZM-14	12V	5.0 kg/pc	152	99	107	110	7.0A discharge ≥120
6-DZM-16	12V	5.6 kg/pc	152	99	125	128	8.0A discharge ≥120
6-DZM-17A	12V	6.3 kg/pc	181	82	143	148	8.5A discharge ≥120
6-DZM-20	12V	7.0 kg/pc	181	77	170	176	10.0A discharge ≥120
6-DZM-25	12V	9.1 kg/pc	175	168	118	122	12.5A discharge ≥120
6-DZM-26	12V	8.8 kg/pc	318	80	118	122	13.0A discharge ≥120
6-DZM-28	12V	9.4 kg/pc	318	80	128	130	14.0A discharge ≥120
6-DZM-28H	12V	9.75 kg/pc	166	175	125	128	14.0A discharge ≥120
8-DZM-8	16V	4.3 kg/pc	152	99	96	103	4.0A discharge ≥120
8-DZM-10	16V	5.0 kg/pc	152	101	108	112	5.0A discharge ≥120
8-DZM-12	16V	5.9 kg/pc	181	102	111	115	6.0A discharge ≥120
8-DZM-14	16V	6.8 kg/pc	201	112	100	105	7.0A discharge ≥120
8-DZM-16	16V	7.6 kg/pc	201	113	111.5	116	8.0A discharge ≥120
8-DZM-20	16V	9.75 kg/pc	250	100	128	134	10.0A discharge ≥120
8-DZM-22	16V	9.5 kg/pc	318	80	128	130	11.0A discharge ≥120
8-DZM-24	16V	12.0 kg/pc	232	166	125	125	12.0A discharge ≥120
8-DZM-25	16V	11.1 kg/pc	250	115	128	134	12.5A discharge ≥120
8-DZM-28	16V	13.1 kg/pc	232	166	130	133	14.0A discharge ≥120
9-DZM-21	18V	10.9 kg/pc	189	148	130	134	10.5A discharge ≥120

TOTAL HEIGHT(MAX)

Home power system 5200W solar configuration (20Kw.h)

product name	specifications	QTY
	High efficiency silicon solar panel 240W	22
	The intelligent control, has the very good protection of the battery, 108V 50A	1
	Pure sine wave inverter, output: 8000W AC 220V 50Hz	1
	Solar maintenance-free valve-regulated lead-acid storage battery, 12V 120AH	18

Optional accessories

product name	specifications	configure
Solar bracket	215W is suitable for ground support, the cement foundation. (optional)	22
Outdoor cable	Solar energy, battery professional cable 20 meters. (optional)	1

Note: according to the effective time of 5 hours, the average daily maximum generating capacity of about 26Kw.h.
Recommended load within 7000W. Battery charge is 18Kw.h.
The following is connectable household appliances.

Load appliance	specifications and models	power consumption W	quantity		operating time H
			PCS	H	
The main air conditioning	3frequency	2000	1	4	
Auxiliary air conditioner	1frequency	750	3	6	
lighting	LED lamp	11	18	6	
colour TV set	42-inch	50	3	6	
refrigerator	250L	130	1	24	
washing machine		300	1	1	
microwave oven		1000	1	0.3	
smoke exhaust ventilator		150	1	0.5	
Disinfection cupboard		150	1	0.5	
electromagnetic oven		2200	1	1	
computer	notebook	100	4	8	
amount to					

Monocrystalline Solar Panel



Module	ESM30072 mono				ESP28072poly			
	Pmax	310W	300W	290W	280W	290W	280W	270W
Size ang Number of cells	156mm*156mm 72 Pcs/6*12				156mm*156mm 72 Pcs/6*12			
Tolerance	±3%				±3%			
Vmp	36.25V				36.20V			
Imp	8.96A	8.25A	8.0A	7.73A	8.02A	7.74A	7.46A	7.19A
Voc	43.6V				43.5V			
Isc	9.04A	9.10A	8.8A	8.8A	8.82A	8.51A	8.21A	7.91A
Max.syst.Oper.voltage	1000V				1000V			
Diodes	3 by-pass/6 by-pass				3 by-pass/6 by-pass			
Dimension	1958mm*992mm*50mm				1958mm*992mm*50mm			
Weight	24.5Kg				24.5Kg			
Operate Temp scope	-40/+85℃				-40/+85℃			
Relative humidity	0 to 100%				0 to 100%			
Resistances	227g steel ball fall down from 1m height and 60m/s wind				227g steel ball fall down from 1m height and 60m/s wind			
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years				Pm is not less than 90% in 10 years and 80% in 25 years			

Monocrystalline Solar Panel



Module	ESM3060 Mono				ESP2460 Poly			
	Pmax	260W	250W	240W	230W	240W	230W	220W
Size ang Number of cells	156mm*156mm 60 Pcs/6*10				156mm*156mm 60 Pcs/6*10			
Tolerance	±3%				±3%			
Vmp	30.23V				30.18V			
Imp	8.61A	8.27A	7.94A	7.61A	7.96A	7.63A	7.29A	6.96A
Voc	36.2V				35.8V			
Isc	9.47A	9.10A	8.73A	8.37A	8.75A	8.39A	8.02A	7.66A
Max.syst.Oper.voltage	1000V				1000V			
Diodes	3 by-pass/6 by-pass				3 by-pass/6 by-pass			
Dimension	1642mm*992mm*50mm				1642mm*992mm*50mm			
Weight	19.8Kg				19.8Kg			
Operate Temp scope	-40/+85℃				-40/+85℃			
Relative humidity	0 to 100%				0 to 100%			
Resistances	227g steel ball fall down from 1m height and 60m/s wind				227g steel ball fall down from 1m height and 60m/s wind			
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years				Pm is not less than 90% in 10 years and 80% in 25 years			

Polycrystalline Solar Panel



Module	ESM3096Mono				ESP23096 Poly			
	Pmax	260W	250W	240W	230W	230W	220W	210W
Size ang Number of cells	125mm*125mm 96 Pcs/8*12				125mm*125mm 96 Pcs/8*12			
Tolerance	±3%				±3%			
Vmp	48.33V				48.08V			
Imp	5.38A	5.18A	4.97A	4.76A	4.79A	4.58A	4.37A	4.16A
Voc	57.8V				57.8V			
Isc	5.92A	5.69A	5.47A	5.24A	5.27A	5.04A	4.81A	4.58A
Max.syst.Oper.voltage	1000V				1000V			
Diodes	4 by-pass/8 by-pass				4 by-pass/8 by-pass			
Dimension	1600mm*1067mm*50mm				1600mm*1067mm*50mm			
Weight	21Kg				21Kg			
Operate Temp scope	-40/+85℃				-40/+85℃			
Relative humidity	0 to 100%				0 to 100%			
Resistances	227g steel ball fall down from 1m height and 60m/s wind				227g steel ball fall down from 1m height and 60m/s wind			
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years				Pm is not less than 90% in 10 years and 80% in 25 years			

Polycrystalline Solar Panel



Module	ESM19072 Mono				ESP17072 Poly			
	Pmax	200W	190W	180W	170W	178W	169W	159W
Size ang Number of cells	125mm*125mm 72 Pcs/6*12				125mm*125mm 72 Pcs/6*12			
Tolerance	±3%				±3%			
Vmp	36.26V				36.21V			
Imp	2.52A	2.24A	2.07A	1.90A	2.02A	1.84A	1.67A	1.50A
Voc	43.2V				43.0V			
Isc	6.07A	5.77A	5.46A	5.15A	5.32A	5.02A	4.71A	4.40A
Max.syst.Oper.voltage	1000V				1000V			
Diodes	3 by-pass/6 by-pass				3 by-pass/6 by-pass			
Dimension	1580mm*808mm*50mm				1580mm*808mm*50mm			
Weight	16.3Kg				16.3Kg			
Operate Temp scope	-40/+85℃				-40/+85℃			
Relative humidity	0 to 100%				0 to 100%			
Resistances	227g steel ball fall down from 1m height and 60m/s wind				227g steel ball fall down from 1m height and 60m/s wind			
Warranty	Pm is not less than 90% in 10 years and 80% in 25 years				Pm is not less than 90% in 10 years and 80% in 25 years			