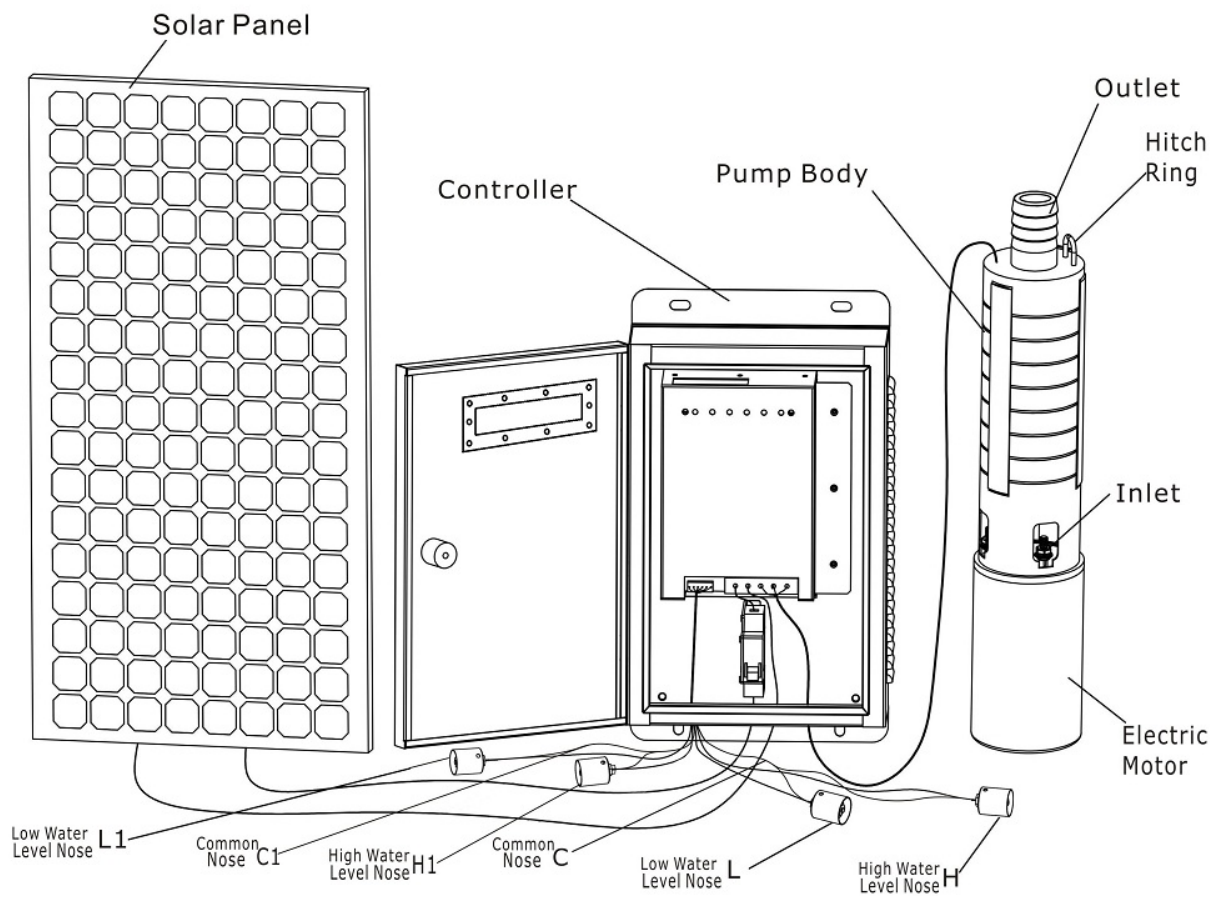




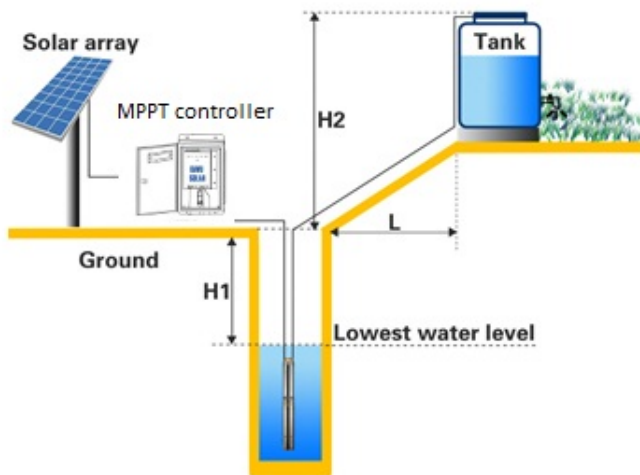
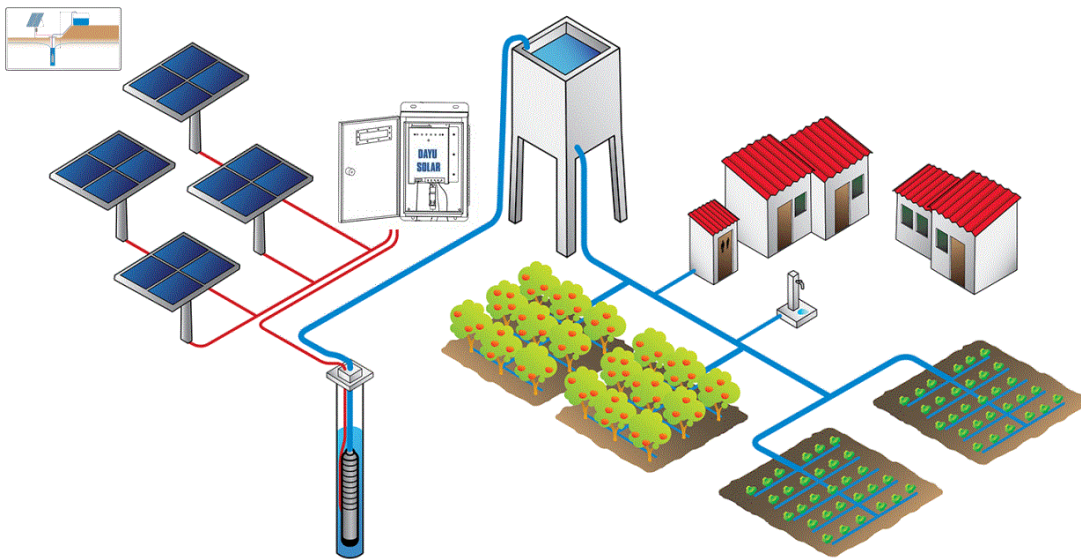
LUMINA GENERAL TRADING LLC

Submersible Solar Pump System





Solar water pump system consists of solar array, DC submersible water pump, MPPT controller and the necessary accessories.



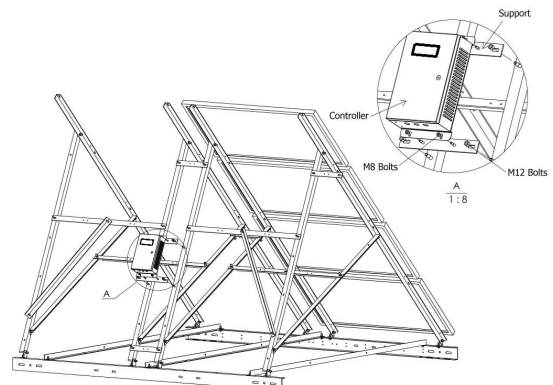
H1 (lift from lowest water level to ground)
H2 (tank height and extra lift if any)
TDH (total dynamic head) = $H1 + H2 + (L \times 0.03)$

Please let us know:

1. The flow rate (m³ or gallon) per day you need?
2. The total head you have as per the left picture, then we can advise you the right model with quotation.

Welcome your email to: sales@luminadxb.com

Tel: +971 4 323 9688; +971 56 112 1541



Specification of DC submersible water pump(full stainless steel)

4SP2A

2M3/h flow rate
Max head:260m

Applications
For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions
Water temperature below 55 °C.
Minimum internal diameter of well: 102mm
Maximum immersion depth: 350m.

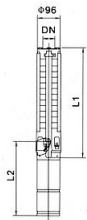
Motor
① Full obturated Screen motor
② Rewind able motor
Three-Phase: 220/380v±10%
Three-Phase: 230/400v±10%
Single-Phase: 200v±10%
Control box With Capacitor, on request.

Special features on request
Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 40m
Cable gland With cable fasteners.

Warranty: 1 year
(as per our general sales conditions)

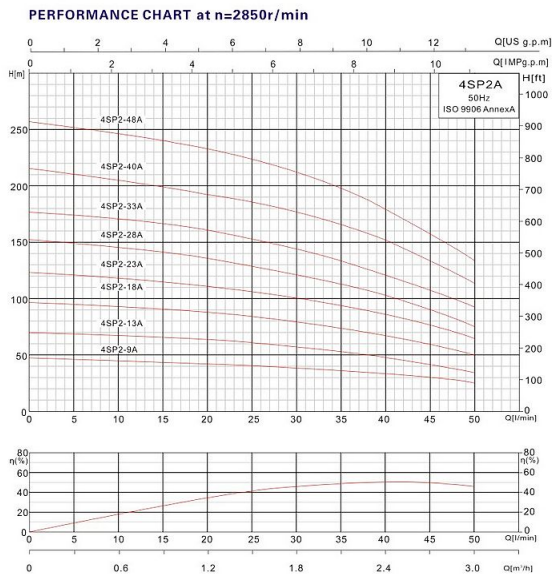
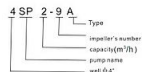


4" Submersible pumps



MODEL	DN	DIMENSIONS(mm)		
		L ₁	L ₂	L ₃
4SP2-9A	1/4"	371	397	-
4SP2-13A	1/4"	455	417	397
4SP2-18A	1/4"	560	442	432
4SP2-23A	1/4"	665	472	452
4SP2-28A	1/4"	770	502	492
4SP2-33A	1/4"	875	502	492
4SP2-40A	1/4"	1022	548	548
4SP2-48A	1/4"	1190	548	548

In the list: L(s) is single phase motor, L(T) is three phase motor.



PERFORMANCE DATA 50Hz

PUMP TYPE	MOTOR		DELIVERY n ≈ 2850/min												
	KW	HP	Q m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	
4SP2-9A	0.37	0.5	Q l/min	0	5	10	15	20	25	30	35	40	45	50	
4SP2-13A	0.55	0.75	H(m)	49	48	45	43	42	40	39	38	34	30	25	
4SP2-18A	0.75	1		70	69	68	66	62	60	58	52	49	42	36	
4SP2-23A	1.1	1.5		103	97	92	90	89	85	80	74	68	60	50	
4SP2-28A	1.5	2		122	121	120	116	111	107	100	95	88	76	66	
4SP2-33A	1.5	2		151	150	148	141	138	130	122	113	103	91	78	
4SP2-40A	2.2	3		178	174	170	166	160	152	143	133	111	109	93	
4SP2-48A	2.2	3		215	210	204	199	191	185	178	165	151	133	113	
				258	251	246	240	232	223	212	199	180	158	134	

4SP3A

3M3/h flow rate
Max head:330m

Applications
For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions
Water temperature below 55 °C.
Minimum internal diameter of well: 102mm
Maximum immersion depth: 350m.

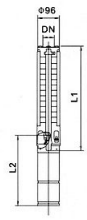
Motor
① Full obturated screen motor
② Rewind able motor
Three-Phase: 220/380v±10%
Three-Phase: 230/400v±10%
Single-Phase: 200v±10%
Control box with capacitor, on request

Special features on request
Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 40m
Cable gland with cable fasteners

Warranty: 1 year
(as per our general sales conditions)

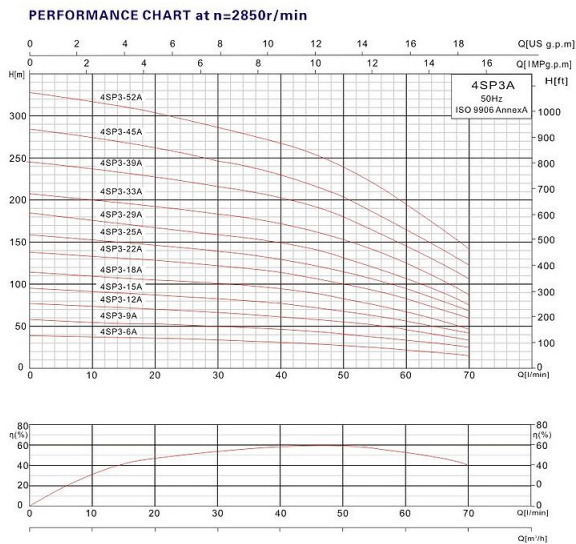
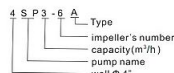


4" Submersible pumps



MODEL	DN	DIMENSIONS(mm)		
		L ₁	L ₂	L ₃
4SP3-6A	1/4"	308	397	-
4SP3-9A	1/4"	371	417	397
4SP3-12A	1/4"	434	442	432
4SP3-15A	1/4"	497	472	452
4SP3-18A	1/4"	560	472	452
4SP3-22A	1/4"	644	502	492
4SP3-25A	1/4"	707	520	492
4SP3-28A	1/4"	791	548	548
4SP3-33A	1/4"	875	548	548
4SP3-39A	1/4"	1001	-	592
4SP3-45A	1/4"	1127	-	592
4SP3-52A	1/4"	1274	-	637

In the list: L(s) is single phase motor, L(T) is three phase motor.



PERFORMANCE DATA 50Hz

PUMP TYPE	MOTOR		DELIVERY n ≈ 2850/min												
	KW	HP	Q m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2				
4SP3-6A	0.37	0.5	Q l/min	0	10	20	30	40	50	60	70				
4SP3-9A	0.55	0.75	H(m)	38	36	35	33	31	28	23	16				
4SP3-12A	0.75	1		57	54	52	50	46	41	34	24				
4SP3-15A	1.1	1.5		76	73	70	67	62	55	46	33				
4SP3-18A	1.1	1.5		95	91	87	83	78	69	57	41				
4SP3-22A	1.5	2		114	109	105	100	93	83	68	49				
4SP3-25A	1.5	2		139	133	128	122	114	101	83	60				
4SP3-28A	2.2	3		158	152	146	138	128	115	95	68				
4SP3-33A	2.2	3		184	175	167	158	148	132	107	77				
4SP3-39A	3	4		208	200	192	182	171	153	125	89				
4SP3-45A	3	4		246	236	227	216	202	180	148	106				
4SP3-52A	4	5.5		284	274	261	245	230	203	165	123				
				328	315	303	288	268	240	197	141				

4SP5A

5M3/h flow rate
Max head:270m

Applications
For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions
Water temperature below 55°c.
Minimum internal diameter of well: 102mm
Maximum immersion depth: 350m.

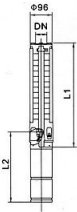
Motor
① Full obturated screen motor
② Rewind able motor
Three-phase: 220/380v±10%
Three-phase: 230/400v±10%
Single-phase: 200v±10%
Control box with capacitor, on request.

Special features on request
Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 40m
Cable gland With cable fasteners.

Warranty: 1 year
(as per our general sales conditions)

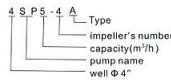


4" Submersible pumps

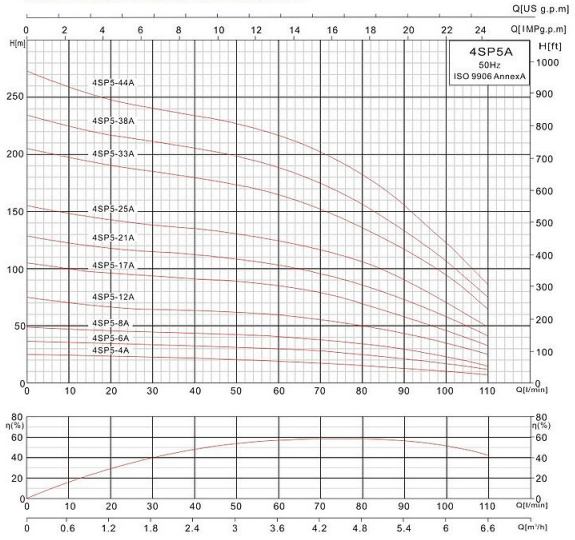


MODEL	DN	DIMENSIONS(mm)		
		L	L _m	L _p
4SP5-4A	1 1/2"	266	397	-
4SP5-6A	1 1/2"	308	417	397
4SP5-8A	1 1/2"	350	442	432
4SP5-12A	1 1/2"	434	472	452
4SP5-17A	1 1/2"	539	502	482
4SP5-21A	1 1/2"	623	548	548
4SP5-25A	1 1/2"	707	548	548
4SP5-33A	1 1/2"	875	-	592
4SP5-38A	1 1/2"	980	-	657
4SP5-44A	1 1/2"	1106	-	657

In the list: L(x) is single phase motor, L(T) is three phase motor.



PERFORMANCE CHART at n=2850r/min



PERFORMANCE DATA 50Hz

PUMP TYPE	MOTOR KW	MOTOR HP	DELIVERY Q m³/h	n ≈ 2850 /min										
				0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
4SP5-4A	0.37	0.5	25	24	23	22	21	20	19	18	17	14	10	8
4SP5-6A	0.55	0.75	38	37	36	35	32	31	29	28	26	21	18	12
4SP5-8A	0.75	1	49	46	45	44	43	42	41	39	35	30	23	16
4SP5-12A	1.1	1.5	74	70	67	65	63	62	60	58	50	45	37	24
4SP5-17A	1.5	2	105	100	95	93	90	88	85	79	70	59	47	34
4SP5-21A	2.2	3	128	121	118	115	111	109	102	98	88	63	59	42
4SP5-25A	2.2	3	158	149	142	139	135	130	125	118	108	91	71	50
4SP5-33A	3	4	203	198	190	185	180	173	165	151	138	118	95	66
4SP5-38A	4	5.5	232	225	218	200	206	199	189	175	158	134	108	76
4SP5-44A	4	5.5	271	259	248	240	233	228	218	201	182	155	122	88

4SP8A

8M3/h flow rate
Max head:220m

Applications
For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions
Water temperature below 55°c.
Minimum internal diameter of well: 102mm
Maximum immersion depth: 350m.

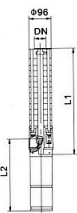
Motor
① Full obturated screen motor
② Rewind able motor
Three-phase: 220/380v±10%
Three-phase: 230/400v±10%
Single-phase: 200v±10%
Control box with capacitor, on request.

Special features on request
Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 40m
Cable gland with cable fasteners.

Warranty: 1 year
(as per our general sales conditions)

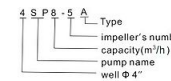


4" Submersible pumps

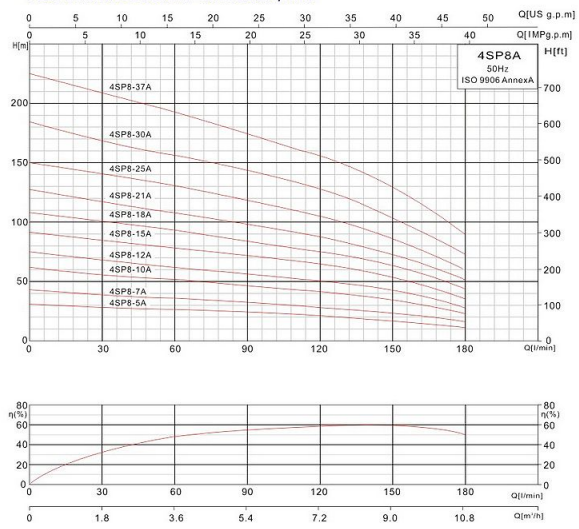


MODEL	DN	DIMENSIONS(mm)		
		L	L _m	L _p
4SP8-5A	2"	301	442	432
4SP8-7A	2"	423	472	452
4SP8-10A	2"	516	502	492
4SP8-12A	2"	578	548	548
4SP8-15A	2"	671	548	548
4SP8-18A	2"	674	-	592
4SP8-21A	2"	857	-	657
4SP8-25A	2"	981	-	657
4SP8-30A	2"	1136	-	757
4SP8-37A	2"	1353	-	757

In the list: L(x) is single phase motor, L(T) is three phase motor.



PERFORMANCE CHART at n=2850r/min



PERFORMANCE DATA 50Hz

PUMP TYPE	MOTOR KW	MOTOR HP	DELIVERY Q m³/h	n ≈ 2850 /min										
				0	1.8	3.6	5.4	7.2	9	10.8				
4SP8-5A	0.75	1	30	28	26	24	21	17	12					
4SP8-7A	1.1	1.5	42	39	36	33	29	24	17					
4SP8-10A	1.5	2	60	55	51	48	42	35	24					
4SP8-12A	2.2	3	74	67	62	57	50	43	28					
4SP8-15A	2.2	3	90	84	78	72	65	54	36					
4SP8-18A	3	4	108	100	93	85	76	63	44					
4SP8-21A	4	5.5	126	117	108	99	89	73	51					
4SP8-25A	4	5.5	150	140	130	117	105	86	60					
4SP8-30A	5.5	7.5	181	168	155	142	127	105	73					
4SP8-37A	5.5	7.5	223	207	193	173	155	130	89					

4SP14A

14M3/h flow rate
Max head:110m

Applications
For water supply from wells or reservoirs.
For domestic use, for civil and industrial applications.
For garden use and irrigation.

Operating conditions
Water temperature below 55°c.
Minimum internal diameter of well: 102mm
Maximum immersion depth: 350m.

Motor
① Full obliterated screen motor
② Rewind able motor
Three-Phase: 220/380v±10%
Three-Phase: 230/400v±10%
Single-Phase: 200v±10%
Control box with capacitor, on request

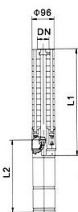
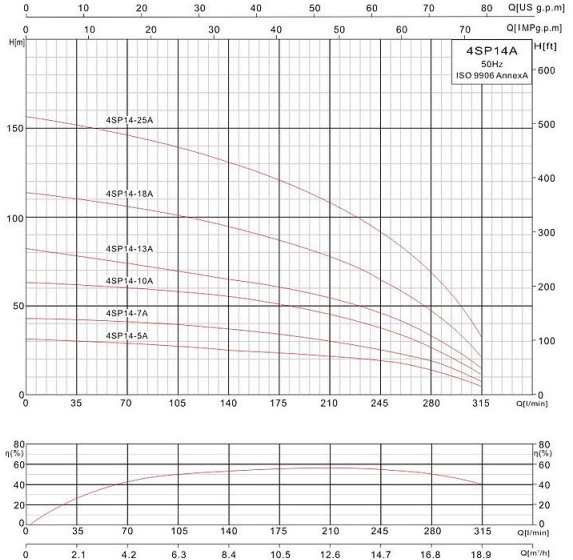
Special features on request
Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 50m
Cable aland with cable fasteners

Warranty: 1 year
(as per our general sales conditions)



4" Submersible pumps

PERFORMANCE CHART at n=2850r/min



MODEL	DN	DIMENSIONS(mm)		
		L ₁	L ₂	L ₃
4SP 14-5A	2"	439	502	492
4SP 14-7A	2"	532	548	548
4SP 14-10A	2"	671	-	592
4SP 14-13A	2"	811	-	657
4SP 14-18A	2"	1043	-	757
4SP 14-25A	2"	1369	-	892

In the list: L(s) is single phase motor, L(T) is three phase motor.

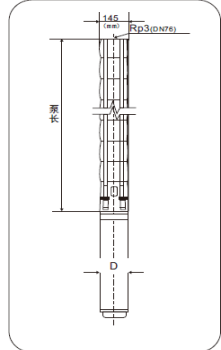
4 S P 14 - 5 A Type
impeller's number
capacity(m³/h)
pump name
well Φ 4"

PERFORMANCE DATA 50Hz

PUMP TYPE	MOTOR		Q m³/h l/min	DELIVERY n ≈ 2850 / min													
	KW	HP		0	2.1	4.2	6.3	8.4	10.5	12.6	14.7	16.8	18.9				
4SP14-5A	1.5	2	31	30	29	28	26	24	22	19	15	6					
4SP14-7A	2.2	3	43	42	41	40	38	35	31	27	20	8					
4SP14-10A	3	4	62	61	60	59	55	51	47	39	28	12					
4SP14-13A	4	5.5	81	79	74	70	66	60	54	48	35	16					
4SP14-18A	5.5	7.5	112	110	106	101	95	88	78	66	48	21					
4SP14-25A	7.5	10	155	151	148	139	131	121	109	93	70	31					

6SP17A

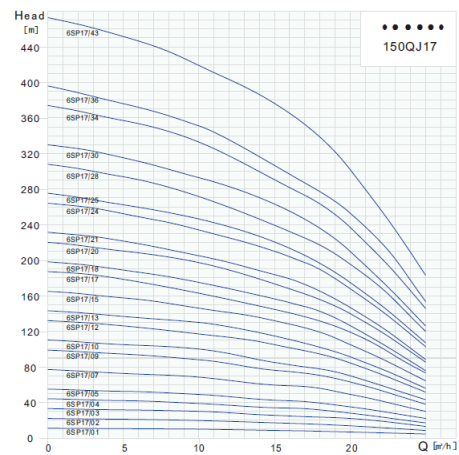
17M3/h flow rate
Max head:110m



6 S P 17 - 09 A Type
impeller's number
capacity(m³/h)
pump name
well Φ 6"

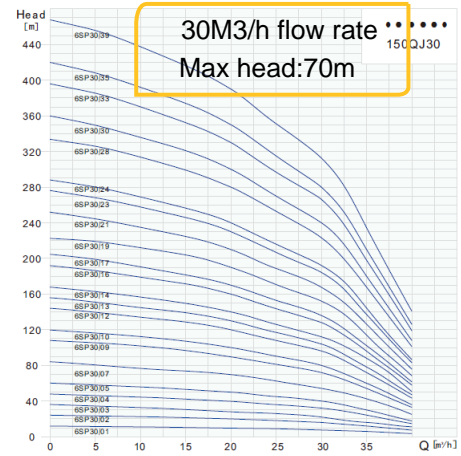


PUMP MODEL	MOTOR		m³/h	DELIVERY (n≈2850r/min)							L mm	GW kg	DN
	KW	HP		0	5	10	15	17	20	25			
6SP17-01	0.55	0.75		11	10.5	10	8.5	8	7	4.3	316	3.52	DN 76 3"
6SP17-02	1.1	1.5		22	21	20	17	16	14	8.5	361	4.62	
6SP17-03	2.2	3		33	31.5	30	25.5	24	21	13	406	5.72	
6SP17-04	2.2	3		44	42	39	34	33	28	17	451	6.82	
6SP17-05	3	4		55	52.5	49	42.5	41	35	22	496	7.92	
6SP17-07	4	5.5		77	73.5	68	59.5	58	49	30	586	10.12	
6SP17-09	5.5	7.5		99	94.5	88	76.5	74	63	38	676	12.32	
6SP17-10	5.5	7.5		110	105	100	85	80	70	43	721	13.42	
6SP17-12	7.5	10		132	126	117	105	99	84	51	811	15.62	
6SP17-13	7.5	10		143	138.5	130	110.5	104	91	56	856	17.82	
6SP17-15	9.2	12.5		165	157.5	146	131	124	105	64	946	18.92	
6SP17-17	9.2	12.5		187	178.5	170	144.5	136	119	73	1036	21.12	
6SP17-18	11	15		198	189	175	157	148	126	76	1081	22.22	
6SP17-20	11	15		220	210	200	170	160	140	86	1171	24.42	
6SP17-21	13	18		231	220.5	205	184	173	147	89	1216	25.52	
6SP17-24	15	20		264	252	234	210	198	168	102	1351	28.82	
6SP17-25	15	20		275	262.5	250	212.5	200	175	107	1396	29.92	
6SP17-28	18.5	25		308	294	280	238	224	196	120	1531	31.02	
6SP17-30	18.5	25		330	315	292	262	247	210	127	1621	35.42	
6SP17-34	22	30		374	357	340	289	272	238	146	1801	39.82	
6SP17-36	22	30		396	378	351	315	297	252	153	1891	42.02	
6SP17-43	26	35		473	451.5	419	376	355	301	183	2206	49.72	



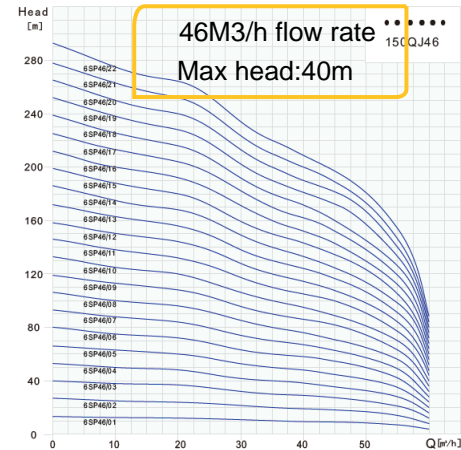
6SP30A

PUMP MODEL	MOTOR		m ³ /h	DELIVERY (n≈2850r/min)							L mm	GW kg	DN
	KW	HP		0	12	20	25	30	35	40			
6SP30-01	1.1	1.5	H (m)	12	11	10	9	8	6	3.6	327.5	4.75	DN 76 3"
6SP30-02	2.2	3		24	22	20	18	16	12	7.2	384	5.4	
6SP30-03	3	4		36	32	28	26	22	16	10.8	440.5	6.44	
6SP30-04	4	5.5		48	44	40	36	32	24	14.4	497	7.78	
6SP30-05	5.5	7.5		60	55	53	45	39	30	18	553.5	9.12	
6SP30-07	7.5	10		84	77	74	63	56	42	25	666.5	118	
6SP30-09	9.2	12.5		108	99	95	81	71	54	32	779.5	14.48	
6SP30-10	9.2	12.5		120	110	105	90	80	60	36	836	15.82	
6SP30-12	11	15		144	132	126	108	94	72	42	949	18.5	
6SP30-13	11	15		156	143	137	117	104	78	45	1005.5	19.84	
6SP30-14	13	17.5		168	154	148	126	110	84	50	1062	21.18	
6SP30-16	15	20		192	176	169	144	126	96	57	1175	23.86	
6SP30-17	15	20		204	187	180	153	136	102	61	1231.5	25.2	
6SP30-19	18.5	25		228	209	201	171	150	114	68	1344.5	27.88	
6SP30-21	18.5	25		252	231	222	189	168	126	76	1447.5	30.56	
6SP30-23	22	30		276	253	243	207	181	138	82	1570.5	34.24	
6SP30-24	22	30		288	264	253	216	192	144	86	1627	35.58	
6SP30-28	26	35		336	308	296	252	221	168	100	1853	40.94	
6SP30-30	26	35		360	330	317	270	240	180	108	1966	43.62	
6SP30-33	30	40		396	363	348	297	264	198	118	2135.5	47.84	
6SP30-35	30	40		420	385	370	315	280	210	126	2248.5	53.34	
6SP30-39	37	45		468	429	412	351	312	234	140	2474.5	54.68	



6SP46A

PUMP MODEL	MOTOR		m ³ /h	DELIVERY (n≈2850r/min)							L mm	GW kg	DN	
	KW	HP		0	10	20	35	40	46	55				60
6SP46-01	1.5	2.2	H (m)	13	12.5	12	10	9.5	9	7	4	383.8	4.75	DN 76 3"
6SP46-02	3	4		27	25	24	20	19	18	14	8	496.6	7.08	
6SP46-03	5.5	7.5		40	38	36	30	29	27	21	12	609.4	9.41	
6SP46-04	7.5	10		53	50	48	40	38	35	28	16	723.2	11.74	
6SP46-05	7.5	10		66	63	60	50	48	44	35	20	836	14.07	
6SP46-06	9.2	12.5		80	75	72	60	57	53	42	24	948.8	16.4	
6SP46-07	11	15		93	88	84	70	67	62	49	28	1061.6	18.73	
6SP46-08	13	17.5		106	100	96	80	76	70	56	32	1174.4	21.06	
6SP46-09	15	20		119	113	108	90	86	81	63	36	1287.2	23.39	
6SP46-10	15	20		133	125	120	100	95	88	70	40	1400	25.72	
6SP46-11	18.5	25		146	138	132	110	105	99	77	44	1512.8	28.05	
6SP46-12	18.5	25		159	150	144	120	114	106	84	48	1625.6	30.38	
6SP46-13	22	30		172	163	156	130	124	115	91	52	1738.4	32.71	
6SP46-14	22	30		186	175	168	140	133	123	98	56	1851.2	35.04	
6SP46-15	22	30		199	188	180	150	143	132	105	60	1964	37.37	
6SP46-16	25	34		212	200	192	160	152	141	112	64	2076.8	39.7	
6SP46-17	25	34		225	213	204	170	162	150	119	68	2189.6	42.03	
6SP46-18	30	40		239	225	216	180	171	158	126	72	2302.4	44.36	
6SP46-19	30	40		252	238	228	190	181	171	133	76	2415.2	46.69	
6SP46-20	30	40		265	250	240	200	190	180	140	80	2528	49.02	
6SP46-21	37	50		278	263	252	210	200	186	147	84	2640.8	51.35	
6SP46-22	37	50		292	275	264	220	209	192	154	88	2753.6	53.68	



Best MPPT Controller for solar system

LUMINA solar pump has the best R&D team,
Best ODM & OEM service

(DSP come from Texas Instruments) (IGBT come from Fairchild)
(Temp. Chip come from Microchip) (Switch come from Schneider)
(MOS come from IR) (Opt coupler come from Sharp)

- Intelligent controller with Continuous MPPT + DSP (Maximum Power Point Tracking)
- Increases PV Array Output by up to 30%
- Speed control function
- Apply to both 4pole and 8pole motor
- Field serviceable by 24V, 48V 110V, 220V and 330V types
- Standard 2-Year Warranty



DC Water Pump MPPT Controller Specifications

	<i>Models</i>			
	SWP48V/0.75KW	SWP110V/1.5KW	SWP220V/3.0KW	SWP330V/5.0KW
Nominal DC output Voltage	48 Vdc	110 Vdc	220 Vdc	330 Vdc
PV Array Rated Voltage Range	65~90 V	130~150 V	240~300 V	360~450 V
Max Voc Voltage	110V	170 V	375 V	530 V
Limited Input Current	13 A	13 A	13 A	15 A
Limited Input Power	850 Watts	1700 Watts	3400 Watts	5800 Watts
Typical Efficiency	95.5%	96%	96.5%	97%
Weight (kg/lbs)	7.5 / 16.5			
Dimensions H x W x L (cm/in)	44 x 31 x 20 / 17.3 x 12.2 x 7.9			
Warranty	Standard 2 year Warranty			

Specifications subject to change without notice



STRICT TEST BEFORE DELIVERY

Real running water pump test;
 Real running solar panel for MPPT function test;
 High & low temperature test;
 Output speed and wave shape test;
 Short circuit test;
 Water level sensor test;
 Vibration test;
 Burn-in test.

GOOD PROTECTION

Dry run protection;
 Overload protection;
 Overheating protection;
 Current limiting protection;
 Power limiting protection.



ISO9001:2008 Production Standard

Solar water pumping system consisting of DC water pump, MPPT controller, Solar array and some accessories.

Technical Specification & Configuration

Please choose the Model as per Best use range

Specifications may be subject to change.

1m³=1000L 1m=3.28ft 1 UK gallon = 4.546L 1 US gallon = 3.785L

No	Water pump Model	Pump Power (KW)	MPPT Controller (V)	Solar Panel(KWp)	Flow rate(m ³ /h) /Head (m)			outlet diameter (mm/inch)	Pump Length (mm)
					Best use range				
1	4SP2-9A	0.37	48	0.56 (2pcs 280Wp)	1.5 /40	2 /38	3 /25	32 / 1.25	371
2	4SP2-13A	0.55	110	0.99 (3pcs 330Wp)	1.5 /60	2 /56	3 /36		455
3	4SP2-18A	0.75	110	1.05 (3pcs 350Wp)	1.5 /85	2 /77	3 /50		560
4	4SP2-23A	1.1	220	1.68 (6pcs 280Wp)	1.5 /107	2 /98	3 /66		665
5	4SP2-28A	1.5	220	1.98 (6pcs 330Wp)	1.5 /130	2 /118	3 /78		770
6	4SP2-33A	1.5	220	1.98 (6pcs 330Wp)	1.5 /152	2 /139	3 /93		875
7	4SP2-40A	2.2	220	2.80 (8pcs 350Wp)	1.5 /185	2 /169	3 /113		1022
8	4SP2-48A	2.2	220	2.80 (8pcs 350Wp)	1.5 /223	2 /203	3 /134		1190
9	4SP3-6A	0.37	48	0.56 (2pcs 280Wp)	1.8 /33	3 /28	4.2 /16	32 / 1.25	308
10	4SP3-9A	0.55	110	0.99 (3pcs 330Wp)	1.8 /50	3 /41	4.2 /24		371
11	4SP3-12A	0.75	110	1.05 (3pcs 350Wp)	1.8 /67	3 /55	4.2 /33		434
12	4SP3-15A	1.1	220	1.68 (6pcs 280Wp)	1.8 /83	3 /69	4.2 /41		497
13	4SP3-18A	1.1	220	1.68 (6pcs 280Wp)	1.8 /100	3 /83	4.2 /49		560
14	4SP3-22A	1.5	220	1.98 (6pcs 330Wp)	1.8 /122	3 /101	4.2 /60		644
15	4SP3-25A	1.5	220	1.98 (6pcs 330Wp)	1.8 /138	3 /115	4.2 /68		707
16	4SP3-29A	2.2	220	2.80 (8pcs 350Wp)	1.8 /158	3 /132	4.2 /77		791
17	4SP3-33A	2.2	220	2.80 (8pcs 350Wp)	1.8 /182	3 /153	4.2 /89		875
18	4SP3-39A	3.0	330	3.92 (14pcs 280Wp)	1.8 /216	3 /180	4.2 /106		1001
19	4SP3-45A	3.0	330	3.92 (14pcs 280Wp)	1.8 /245	3 /203	4.2 /123		1127
20	4SP3-52A	4.0	330	5.28 (16pcs 330Wp)	1.8 /288	3 /240	4.2 /141		1274
21	4SP5-4A	0.37	48	0.56 (2pcs 280Wp)	2.7 /21	5 /15	6 /10	40 / 1.5	266
22	4SP5-6A	0.55	110	0.99 (3pcs 330Wp)	2.7 /32	5 /25	6 /17		308
23	4SP5-8A	0.75	110	1.05 (3pcs 350Wp)	2.7 /43	5 /32	6 /23		350
24	4SP5-12A	1.1	220	1.68 (6pcs 280Wp)	2.7 /63	5 /49	6 /37		434
25	4SP5-17A	1.5	220	1.98 (6pcs 330Wp)	2.7 /90	5 /67	6 /47		539
26	4SP5-21A	2.2	220	2.80 (8pcs 350Wp)	2.7 /110	5 /82	6 /59		623
27	4SP5-25A	2.2	220	2.80 (8pcs 350Wp)	2.7 /132	5 /101	6 /71		707
28	4SP5-33A	3.0	330	3.92 (14pcs 280Wp)	2.7 /177	5 /130	6 /95		875
29	4SP5-38A	4.0	330	5.28 (16pcs 330Wp)	2.7 /200	5 /150	6 /108		980
30	4SP5-44A	4.0	330	5.28 (16pcs 330Wp)	2.7 /230	5 /175	6 /122		1106

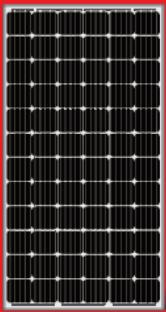
No	Water pump Model	Pump Power (KW)	MPPT Controller (V)	Solar Panel(KWp)	Flow rate(m ³ /h) /Head (m)			outlet diameter (mm/inch)	Pump Length (mm)
					Best use range				
31	4SP8-5A	0.75	110	1.05 (3pcs 350Wp)	4.2 /26	8 /20	10.8 /12	50 / 2	361
32	4SP8-7A	1.1	220	1.68 (6pcs 280Wp)	4.2 /35	8 /27	10.8 /17		423
33	4SP8-10A	1.5	220	1.98 (6pcs 330Wp)	4.2 /50	8 /39	10.8 /24		516
34	4SP8-12A	2.2	220	2.80 (8pcs 350Wp)	4.2 /61	8 /48	10.8 /28		578
35	4SP8-15A	2.2	220	2.80 (8pcs 350Wp)	4.2 /76	8 /60	10.8 /36		671
36	4SP8-18A	3.0	330	3.92 (14pcs 280Wp)	4.2 /90	8 /77	10.8 /44		764
37	4SP8-21A	4.0	330	5.28 (16pcs 330Wp)	4.2 /105	8 /90	10.8 /51		857
38	4SP8-25A	4.0	330	5.28 (16pcs 330Wp)	4.2 /126	8 /102	10.8 /60		981
39	4SP8-30A	5.5	330	7.00 (20pcs 350Wp)	4.2 /151	8 /129	10.8 /73		1136
40	4SP8-37A	5.5	330	7.00 (20pcs 350Wp)	4.2 /188	8 /153	10.8 /89		1353
41	4SP14-5A	1.5	220	1.98 (6pcs 330Wp)	6 /28	14 /20	18.9 /6	50 / 2	439
42	4SP14-7A	2.2	220	2.80 (8pcs 350Wp)	6 /40	14 /27	18.9 /8		532
43	4SP14-10A	3.0	330	3.92 (14pcs 280Wp)	6 /58	14 /40	18.9 /12		671
44	4SP14-13A	4.0	330	5.28 (16pcs 330Wp)	6 /70	14 /52	18.9 /16		811
45	4SP14-18A	5.5	330	7.00 (20pcs 350Wp)	6 /101	14 /72	18.9 /21		1043
46	6SP17-3A	2.2	220	2.80 (8pcs 350Wp)	8 /30	17/24	22/13	76 / 3	406
47	6SP17-4A	2.2	220	2.80 (8pcs 350Wp)	8 /40	17/33	22/18		451
48	6SP17-5A	3.0	330	3.92 (14pcs 280Wp)	8 /50	17/41	22/23		496
49	6SP17-7A	4.0	330	5.28 (16pcs 330Wp)	8 /70	17/58	22/31		586
50	6SP17-9A	5.5	330	7.00 (20pcs 350Wp)	8 /90	17/74	22/40		676
51	6SP17-10A	5.5	330	7.00 (20pcs 350Wp)	8 /100	17/80	22/45		721
52	6SP30-2A	2.2	220	2.80 (8pcs 350Wp)	12/21	30/15	38/9	76 / 3	384
53	6SP30-3A	3.0	330	3.92 (14pcs 280Wp)	12/32	30/22	38/14		441
54	6SP30-4A	4.0	330	5.28 (16pcs 330Wp)	12/42	30/32	38/18		497
55	6SP30-5A	5.5	330	7.00 (20pcs 350Wp)	12/53	30/39	38/23		554
56	6SP46-2A	3.0	330	3.92 (14pcs 280Wp)	20/34	46/18	60/9	76 / 3	497
57	6SP46-3A	5.5	330	7.00 (20pcs 350Wp)	20/36	46/27	60/13		609

Notice: the configuration of solar panel is recommended type, you can use your own solar panel, but must meet the voltage and current of requirement of the whole solar water pump system.

For 48V solar pump system, (PV Array Rated Voltage Range: 58~90 V) & (Max Voc Voltage: 110V)
 For 110V solar pump system, (PV Array Rated Voltage Range: 105~150 V) & (Max Voc Voltage: 170V)
 For 220V solar pump system, (PV Array Rated Voltage Range: 175~300 V) & (Max Voc Voltage: 375V)
 For 330V solar pump system, (PV Array Rated Voltage Range: 200~450 V) & (Max Voc Voltage: 530V)

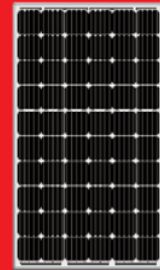
MONO IS THE FUTURE

A World leading mono-crystalline solar module manufacture for achieving best LCOE solutions.



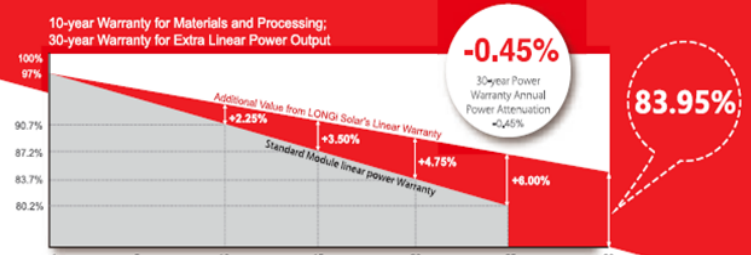
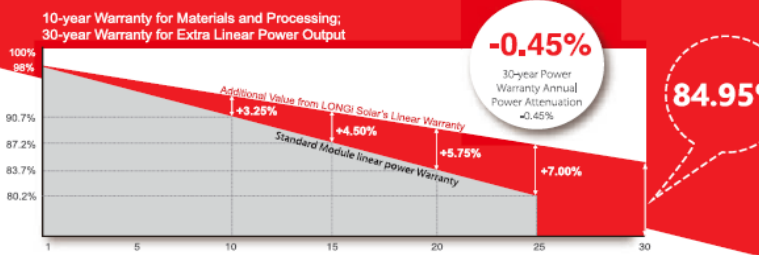
LR6-72DG
330~350M

High Efficiency Mono Technology with advanced 5BB design to improve power output



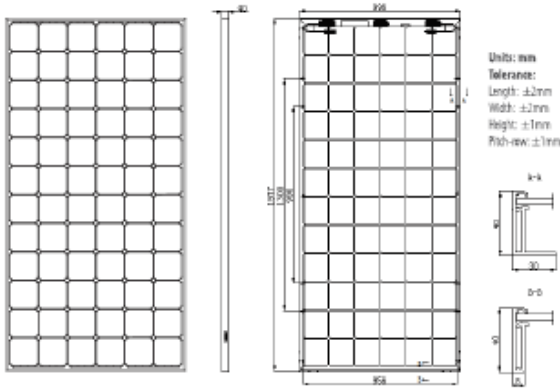
LR6-60DG
280~300M

High Efficiency Mono Technology with advanced 5BB design to improve power output



LR6-72DG 330~350M

Design (mm)



Mechanical Parameters

Cell Orientation: 72 (6×12)
 Junction Box: IP67, three diodes
 Output Cable: 4mm², 300mm in length,
 length can be customized
 Weight: 26.5kg
 Dimension: 1977×996×40mm
 Packaging: 26pcs per pallet

Operating Parameters

Operational Temperature: -40°C ~ +85°C
 Power Output Tolerance: 0 ~ +5 W
 Voc and Isc Tolerance: ±3%
 Maximum System Voltage: DC1500V (IEC&UL)
 Maximum Series Fuse Rating: 20A
 Nominal Operating Cell Temperature: 45±2°C
 Application Class: Class II

Electrical Characteristics

Test uncertainty for Pmax: ±3%

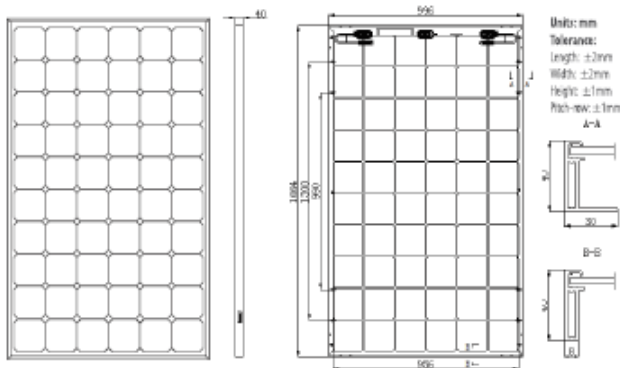
Model Number	LR6-72DG-330M		LR6-72DG-335M		LR6-72DG-340M		LR6-72DG-345M		LR6-72DG-350M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	330	238.6	335	242.2	340	245.8	345	249.4	350	253.1
Open Circuit Voltage (Voc/V)	46.4	42.7	46.6	42.9	46.8	43.1	47.1	43.4	47.3	43.6
Short Circuit Current (Isc/A)	8.97	7.23	9.07	7.31	9.16	7.39	9.23	7.44	9.32	7.52
Voltage at Maximum Power (Vmp/V)	38.7	34.9	38.9	35.1	39.1	35.3	39.3	35.5	39.5	35.7
Current at Maximum Power (Imp/A)	8.53	6.82	8.62	6.90	8.70	6.96	8.77	7.02	8.86	7.09
Module Efficiency(%)	16.8		17.0		17.3		17.5		17.8	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

LR6-60DG 280~300M

Design (mm)



Mechanical Parameters

Cell Orientation: 60 (6×10)
 Junction Box: IP67, three diodes
 Output Cable: 4mm², 300mm in length,
 length can be customized
 Weight: 22.5kg
 Dimension: 1664×996×40mm
 Packaging: 26pcs per pallet

Operating Parameters

Operational Temperature: -40°C ~ +85°C
 Power Output Tolerance: 0 ~ +5 W
 Voc and Isc Tolerance: ±3%
 Maximum System Voltage: DC1500V (IEC)
 Maximum Series Fuse Rating: 20A
 Nominal Operating Cell Temperature: 45±2°C
 Application Class: Class II

Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR6-60DG-280M		LR6-60DG-285M		LR6-60DG-290M		LR6-60DG-295M		LR6-60DG-300M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	280	202.4	285	206.1	290	209.7	295	213.3	300	216.9
Open Circuit Voltage (Voc/V)	38.9	35.8	39.2	36.0	39.4	36.2	39.6	36.5	39.9	36.7
Short Circuit Current (Isc/A)	9.08	7.32	9.18	7.40	9.29	7.49	9.39	7.57	9.50	7.66
Voltage at Maximum Power (Vmp/V)	32.5	29.3	32.7	29.5	32.9	29.7	33.2	30.0	33.4	30.2
Current at Maximum Power (Imp/A)	8.62	6.89	8.71	6.97	8.80	7.04	8.89	7.11	8.98	7.18
Module Efficiency(%)	16.9		17.2		17.5		17.8		18.1	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

The Best Solar Water Pump System

This pump series have a small outer diameter, high head, big flow rate and is energy-efficient, which is an ideal option for extraction of groundwater, water supply and irrigation systems and lowering the ground water level, pressure and other industrial uses.



2 years warranty

Solar Water Pump Projects In Oversea Market

Application:

It could be used for domestic water supply, agricultural irrigation, industrial production, garden watering, desertification control , etc.

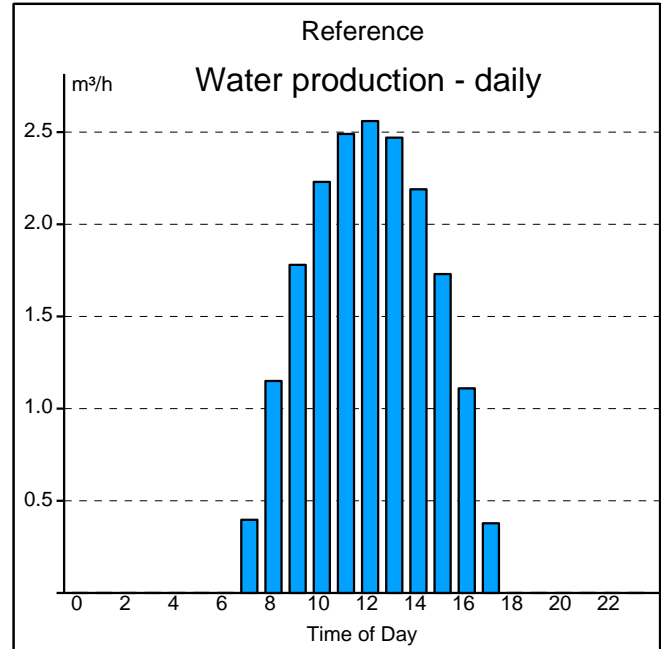


4SP5-8A Solar Water Pump
8pcs 180Wp solar panel
110V MPPT controller





4SP2-9A Solar Water Pump
 4pcs 180Wp solar panel
 48V MPPT controller



4SP3-12A Solar Water Pump 8pcs 180Wp solar panel 110V MPPT controller



4SP8-7A Solar Water Pump
9pcs 235Wp solar panel
110V MPPT controller



4SP5-8A Solar Water Pump

8pcs 180Wp solar panel 110V MPPT controller

we have done over hundreds of solar water pump projects in overseas market.



 LUMINA GENERAL TRADING LLC



4SP3-15A Solar Water Pump
8pcs 245Wp solar panel
220V MPPT controller



Good & Strong Packing

16pcs 90Wp solar panel 110V MPPT controller



Good performance in desert area

4SP5-17A Solar Water Pump
14pcs 195Wp solar panel
220V MPPT controller



4SP2-23A Solar Water Pump
8pcs 245Wp solar panel
220V MPPT controller





 LUMINA GENERAL TRADING LLC

4SP5-21A Solar Water Pump
18pcs 245Wp solar panel
220V MPPT controller



4SP2-9A Solar Water Pump
4pcs 195Wp solar panel
48V MPPT controller





 LUMINA GENERAL TRADING LLC

48V MPPT controller
4pcs 195Wp solar panel
4SP5-4A Solar Water Pump



110V MPPT controller
5pcs 245Wp solar panel
4SP2-13A Solar Water Pump

We bring water and happiness to the people



16pcs 245Wp solar panel
220V MPPT controller
4SP5-21A Solar Water Pump

THANK YOU VERY MUCH



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Email: sales@luminadxb.com
Address: PO Box 116825, Dubai, UAE