Solar Pump Solutions

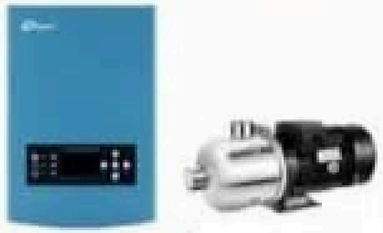
Reliable, Efficient, Sustainable Water Systems

Expertise You Can Trust

Solar Deep Well Pump
(Hybrid)
Water Sources: Deep well ,
borehole

Solar Vertical Multistage Pump
(Hybrid)
Water Sources: river, lake, tank

Solar Vertical Pipeline Pump
(Hybrid)
Water Sources: river, lake, tank



Solar Deep Well Pump
(Hybrid)
Water Sources: river, lake

Solar Sewage Pump
(Hybrid)
Water Sources: river, lake

BLDC Solar
Submersible
Pump

BLDC
Solar
booster
Pump

BLDC Solar
Self-Priming
Surface
Pump

BLDC Solar
High-
Durability
Surface Pump

BLDC
Solar
Sewage
Pump

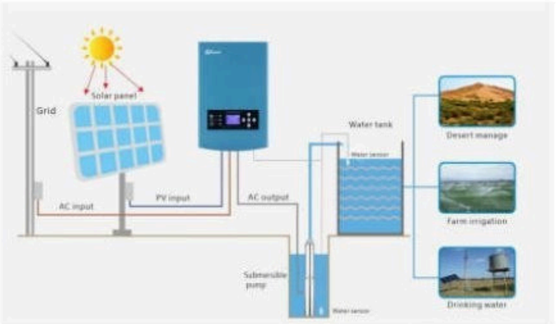
Moving Water is Solar Business

Solar Pump Inverter

Solar Pumping system

Solar Water Pump Inverter

A solar pump inverter is a device that converts DC (direct current) electricity from solar panels into AC (alternating current) to power water pumps. It optimizes the pump's performance by adjusting voltage and frequency based on sunlight intensity, ensuring efficient operation



Inverter Model	Rated power (KW)	Vmp Min-Voc Max	Recommend Solar Panel Voltage (Vmp)	Hybrid AC Power Input Voltage(V)	Pump Phase	Pump Voltage	Pump Frequency	Pump Power
HSPH750LB	0.75	80-450	⩾100 (Built-in booster)	Single Phase 220/240V	1 or 3	220/230/240V	50 ~ 60Hz	⩽750W
HSPH1100LB	1.1	140-450	⩾180 (Built-in booster)	Single Phase 220/240V	1 or 3	220/230/240V	50 ~ 60Hz	⩽1100W
HSPH1500LB	1.5	120-450	⩾160 (Built-in booster)	Single Phase 220/240V	1 or 3	220/230/240V	50 ~ 60Hz	⩽1500W
HSPH1500L	1.5	200-450	⩾300 (Only Solar) ⩾320 (Hybrid Power)	Single Phase 220/240V	1 or 3	220/230/240V	50 ~ 60Hz	⩽1500W
HSPH2200L	2.2	200-450	⩾300(Only Solar) ⩾320 (Hybrid Power)	Single Phase 220/240V	1 or 3	220/230/240V	50 ~ 60Hz	⩽2200W
HSPH3700L	3.7	200-450	⩾300(Only Solar) ⩾320 (Hybrid Power)	Single 220V (± 25%) ,	1 or 3	220/230/240V	50 ~ 60Hz	⩽3700W
HSPH5500L	5.5	200-450	⩾300(Only Solar) ⩾320 (Hybrid Power)	Single 220V (± 25%) ,	1 or 3	220/230/240V	50 ~ 60Hz	⩽5500W
HSPH7500L	7.5	200-450	⩾300(Only Solar) ⩾320 (Hybrid Power)	Single 220V (± 25%) ,	1 or 3	220/230/240V	50 ~ 60Hz	⩽7500W
HSPH1500HB	1.5	300-700	⩾340 (Built-in booster)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽ 1500W
HSPH2200HB	2.2	300-700	⩾340 (Built-in booster)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽ 2200W
HSPH3700H	3.7	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽ 3700W
HSPH4000H	4	400-800	⩾500(Only Solar) ⩾560 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽ 4000W
HSPH5500H	5.5	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽ 5500W
HSPH7500H	7.5	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽ 7500W
HSPH9200H	9.2	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽9200W
HSPH11KH	11	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽ 11KW
HSPH15KH	15	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽15KW
HSPH18.5KH	18.5	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽18.5KW
HSPH22KH	22	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽22KW
HSPH26KH	30	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽26KW
HSPH30KH	30	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽30KW
HSPH37KH	37	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽37KW
HSPH45KH	45	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽45KW
HSPH55KH	55	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽55KW
HSPH75KH	75	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽75KW
HSPH100KH	100	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽100KW
HSPH110KH	110	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽110KW
HSPH132KH Cabinet type	132	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽132KW
HSPH160KH Cabinet type	160	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽160KW
HSPH200KH Cabinet type	200	400-800	⩾500(Only Solar) ⩾540 (Hybrid Power)	Three Phase 380/400/440V,	3	380/400/440V	50 ~ 60Hz	⩽200KW

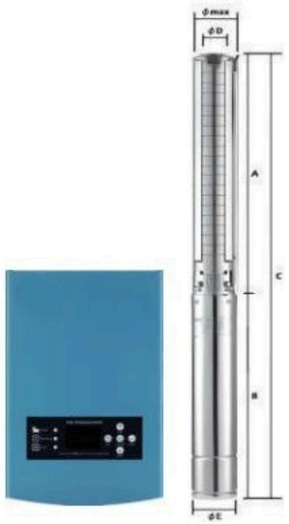
H4SP5

4" H4SP5 2.4 m3/h - 6.6 m3/h

Electric submersible pump H4SP series is suitable for lifting clean water in wells, domestic, civil and industrial applications, including water supply, irrigation systems. H4SP5 series capacity range: 2.4m³/h 6.6m³/h, max total head: 580m

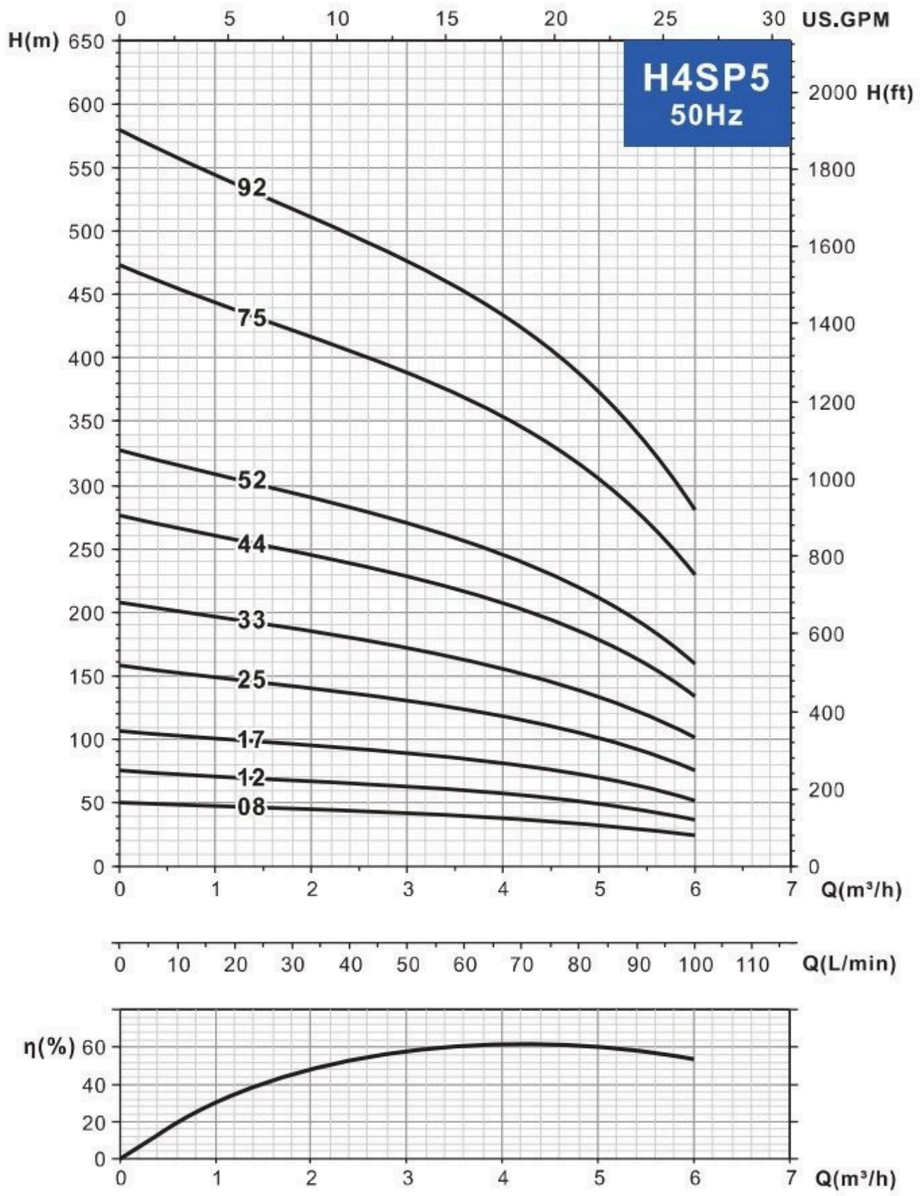
H4SP5 SIZE CHARTS

Model	A	Three Phase		Single Phase		ϕD	ϕE	ϕmax
		B	C	B	C			
H4SP5-08	323	386	709	361	684	G1 1/2"	95	100
H4SP5-12	407	406	813	391	798			
H4SP5-17	512	441	953	435	947			
H4SP5-25	680	501	1181	480	1160			
H4SP5-33	848	561	1409	519	1367			
H4SP5-44	1079	601	1680	646	1725			
H4SP5-52	1247	721	1968	696	1943			
H4SP5-75	1730	841	2571	-	-			
H4SP5-92	2087	881	2968	-	-			



H4SP5 SELECTION CHARTS

Model 50Hz	Motor Power		Three Phase	Single Phase			Q	Capacity							
							US.gpm	0	10.6	15.8	21.1	22	23.8	26.4	29
							m³/h	0	2.4	3.6	4.8	5	5.4	6	6.6
			380V	220V			L/min	0	40	60	80	83	90	100	110
	HP	kW	A	A	µF	VC	Total head in meters								
H4SP5-08	1	0.75	2.5	6.3	35	450	H (m)	50	43	40	34	33	36	24	17
H4SP5-12	1.5	1	3.4	8.6	45	450		76	64	60	52	50	46	37	25
H4SP5-17	2	1.5	4.4	10	55	450		107	90	84	73	71	65	52	36
H4SP5-25	3	2.2	6.2	14	70	450		158	133	124	108	105	95	76	53
H4SP5-33	4	3	8.3	20	80	450		208	176	164	142	137	125	101	69
H4SP5-44	5.5	4	10.3	27	120	450		277	234	218	189	183	167	134	92
H4SP5-52	7.5	5.5	14	35.3	130	450		328	277	258	224	217	198	159	109
H4SP5-75	10	7.5	18.5	-	-	-		473	399	372	323	312	285	229	158
H4SP5-92	12.5	9.2	21	-	-	-		580	490	457	396	383	350	281	193



Solar Water Pump

4" H4SP8 3.6 m3/h - 12 m3/h

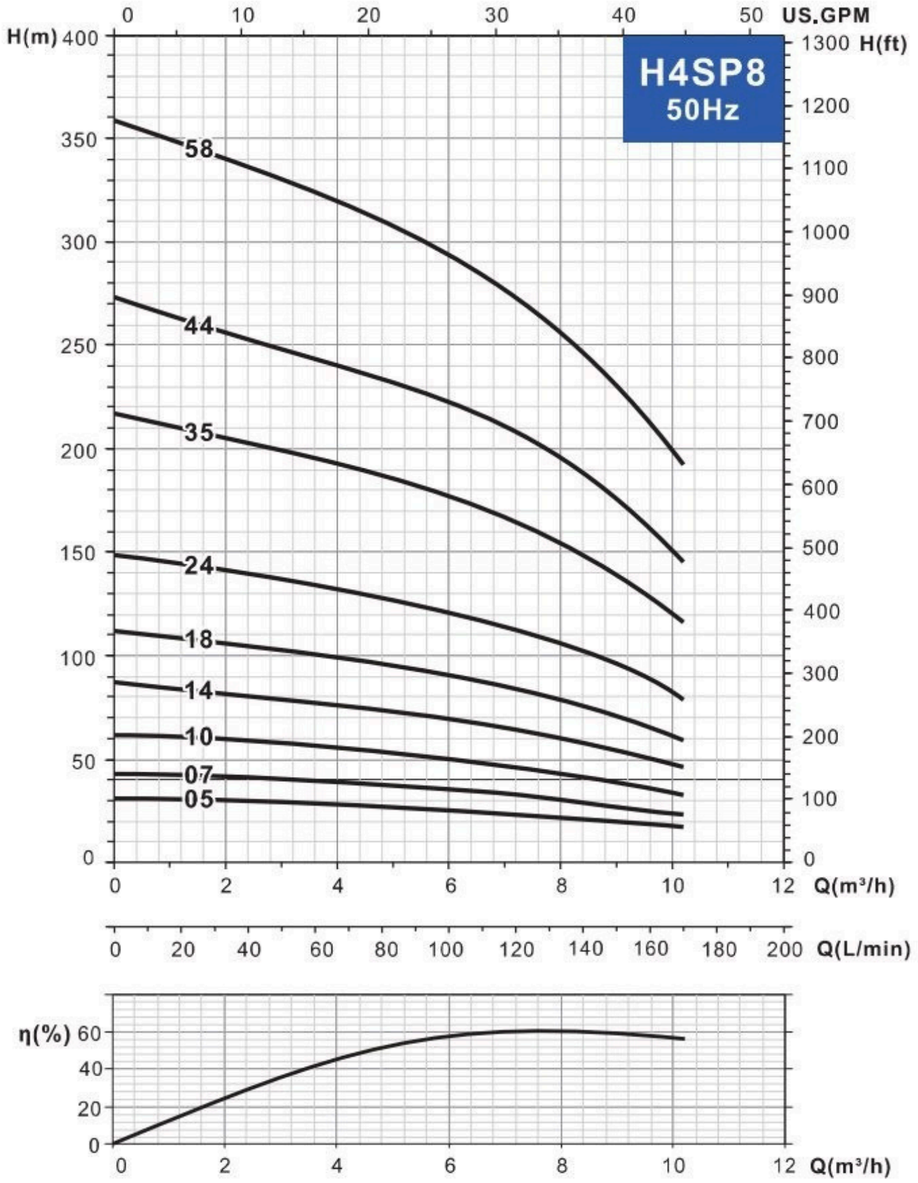
Electric submersible pump H4SP series is suitable for lifting clean water in wells, domestic, civil and industrial applications, including water supply, irrigation systems. H4SP8 series capacity range: 3.6m³/h 12m³/h, max total head: 359m

H4SP8 SIZE CHARTS

Model	A	Three Phase		Single Phase		ϕD	ϕE	ϕmax
		B	C	B	C			
H4SP8-05	292	386	678	361	653	G2"	95	100
H4SP8-07	347	406	753	391	738			
H4SP8-10	430	441	871	435	865			
H4SP8-14	540	501	1041	480	1020			
H4SP8-18	650	561	1211	519	1169			
H4SP8-24	815	601	1416	646	1461			
H4SP8-35	1117	721	1838	696	1813			
H4SP8-44	1365	841	2206	-	-			
H4SP8-58	1750	881	2631	-	-			

H4SP8 SELECTION CHARTS

Model 50Hz	Motor Power		Three Phase	Single Phase			Q	Capacity							
							US.gpm	0	15.8	21.1	29	35.2	37	44.9	52.8
							m³/h	0	3.6	4.8	6.6	8	8.4	10.2	12
			380V	220V			L/min	0	60	80	110	133	140	170	200
	HP	kW	A	A	μF	VC	Total head in meters								
H4SP8-05	1	0.75	2.5	6.3	35	450	H (m)	31	28	27	25	23	22	17	10
H4SP8-07	1.5	1	3.4	8.6	45	450		43	39	37	34	31	30	23	13
H4SP8-10	2	1.5	4.4	10	55	450		62	56	53	49	45	43	33	19
H4SP8-14	3	2.2	6.2	14	70	450		87	78	74	69	62	60	46	27
H4SP8-18	4	3	8.3	20	80	450		112	101	95	88	80	77	59	34
H4SP8-24	5.5	4	10.3	27	120	450		149	134	127	118	107	103	79	46
H4SP8-35	7.5	5.5	14	35.3	130	450		217	196	186	171	156	151	116	67
H4SP8-44	10	7.5	18.5	-	-	-		273	246	233	216	196	189	145	84
H4SP8-58	12.5	9.2	21	-	-	-		359	324	308	285	260	250	192	111



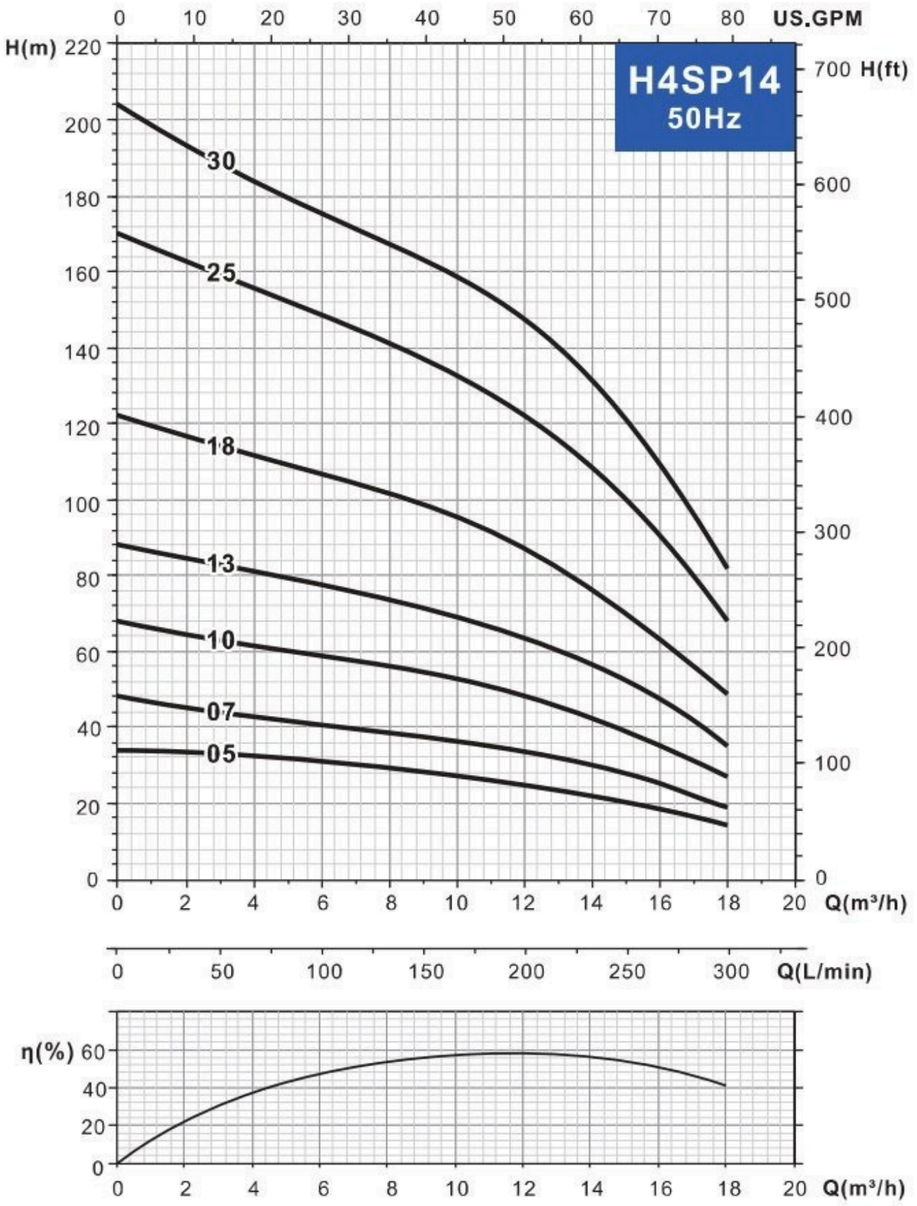
Electric submersible pump H4SP series is suitable for lifting clean water in wells, domestic, civil and industrial applications, including water supply, irrigation systems. H4SP14 series capacity range: 3m³/h - 21m³/h, max total head: 204m

H4SP14 SIZE CHARTS

Model	A	Three Phase		Single Phase		ϕD	ϕE	ϕmax
		B	C	B	C			
H4SP14-05	365	441	806	435	800	G2"	95	100
H4SP14-07	449	501	950	480	929			
H4SP14-10	575	561	1136	519	1094			
H4SP14-13	701	601	1302	646	1347			
H4SP14-18	911	721	1632	696	1607			
H4SP14-25	1205	841	2046	-	-			
H4SP14-30	1415	881	2296	-	-			

H4SP14 SELECTION CHARTS

Model 50Hz	Motor Power		Three Phase	Single Phase			Q	Capacity							
							US.gpm	0	13	26	40	53	66	79	92
							m³/h	0	3	6	9	12	15	18	21
			380V	220V			L/min	0	50	100	150	200	250	300	350
	HP	kW	A	A	μF	VC	Total head in meters								
H4SP14-05	2	1.5	4.4	10	55	450	H (m)	34	32	30	28	25	20	14	4
H4SP14-07	3	2.2	6.2	14	70	450		48	44	42	39	34	28	19	6
H4SP14-10	4	3	8.3	20	80	450		68	63	60	55	49	40	27	8
H4SP14-13	5.5	4	10.3	27	120	450		88	82	77	72	64	51	35	11
H4SP14-18	7.5	5.5	14	35.3	130	450		122	114	107	99	88	71	49	15
H4SP14-25	10	7.5	18.5	-	-	-		170	158	149	138	123	99	68	21
H4SP14-30	12.5	9.2	21	-	-	-		204	190	179	166	148	119	82	25



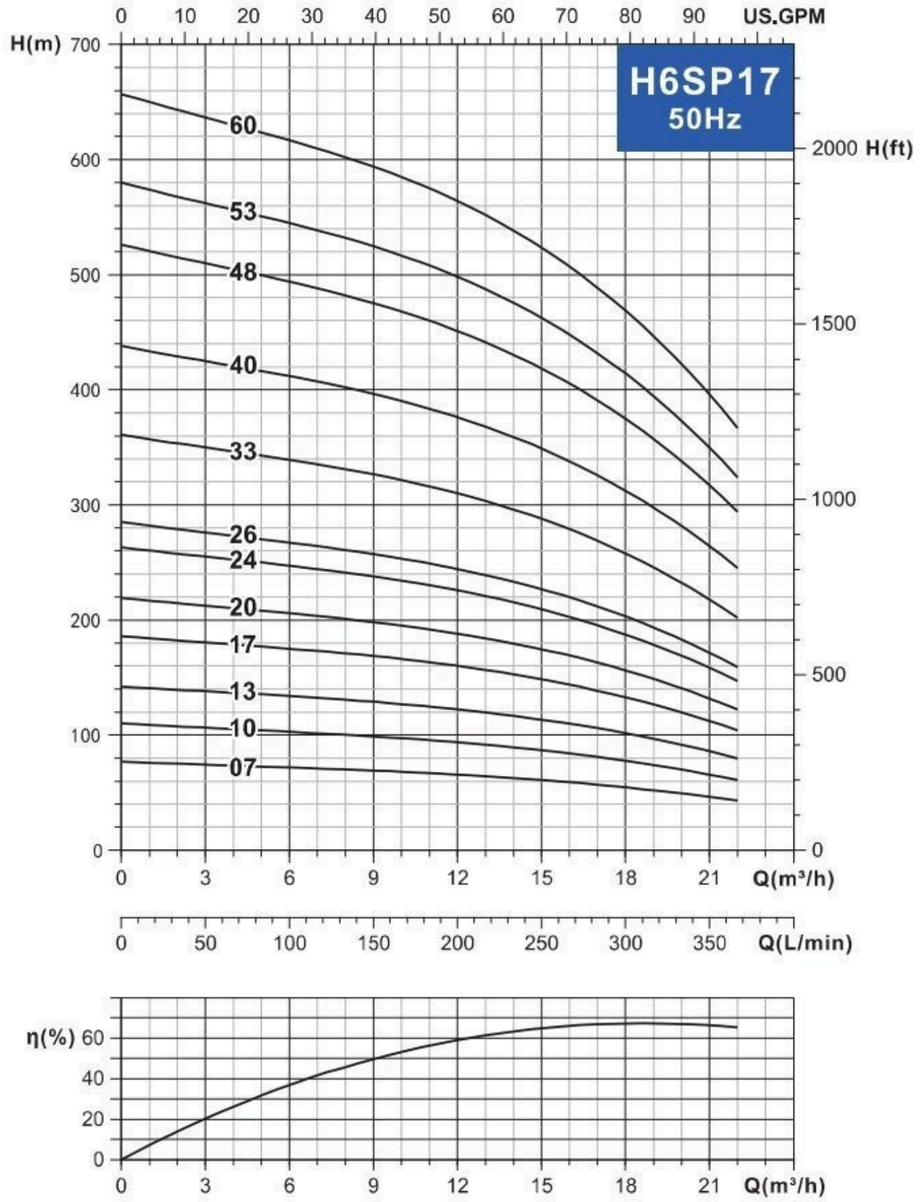
Electric submersible pump H6SP series is suitable for lifting clean water in wells, domestic, civil and industrial applications, including water supply, irrigation systems. H6SP17 series capacity range: 8m³/h 22m³/h, max total head: 657m

H6SP17 SIZE CHARTS

Model	A	B	C	ϕD	ϕE	ϕmax
H6SP17-07	588	702	1290	G2 1/2" or G3"	144	145
H6SP17-10	723	742	1465			
H6SP17-13	858	777	1635			
H6SP17-17	1038	807	1845			
H6SP17-20	1173	832	2005			
H6SP17-24	1353	862	2215			
H6SP17-26	1443	917	2360			
H6SP17-33	1758	967	2725			
H6SP17-40	2073	1017	3090			
H6SP17-48	2433	1062	3495			
H6SP17-53	2658	1117	3775			
H6SP17-60	2973	1207	4180			

H6SP17 SELECTION CHARTS

Model 50Hz	Motor Power		Three Phase	Q	Capacity							
				US.gpm	0	35	53	70	75	79	88	97
				m³/h	0	8	12	16	17	18	20	22
			380V	L/min	0	133	200	267	283	300	333	367
	HP	kW	A		Total head in meters							
H6SP17-07	5.5	4	9.5	H (m)	77	70	66	59	57	55	49	43
H6SP17-10	7.5	5.5	13		110	100	94	84	81	78	70	61
H6SP17-13	10	7.5	17		142	131	122	110	106	102	91	80
H6SP17-17	12.5	9.2	21		186	171	160	144	138	133	120	104
H6SP17-20	15	11	24		219	201	188	169	163	156	141	122
H6SP17-24	17.5	13	28		263	241	226	203	195	187	169	147
H6SP17-26	20	15	32		285	261	244	220	212	203	183	159
H6SP17-33	25	18.5	40		361	331	310	279	269	258	232	202
H6SP17-40	30	22	46		438	402	376	338	326	312	282	245
H6SP17-48	35	26	54		526	482	451	405	391	375	338	294
H6SP17-53	40	30	64		580	532	498	448	432	414	373	324
H6SP17-60	50	37	74		657	602	564	507	489	469	422	367



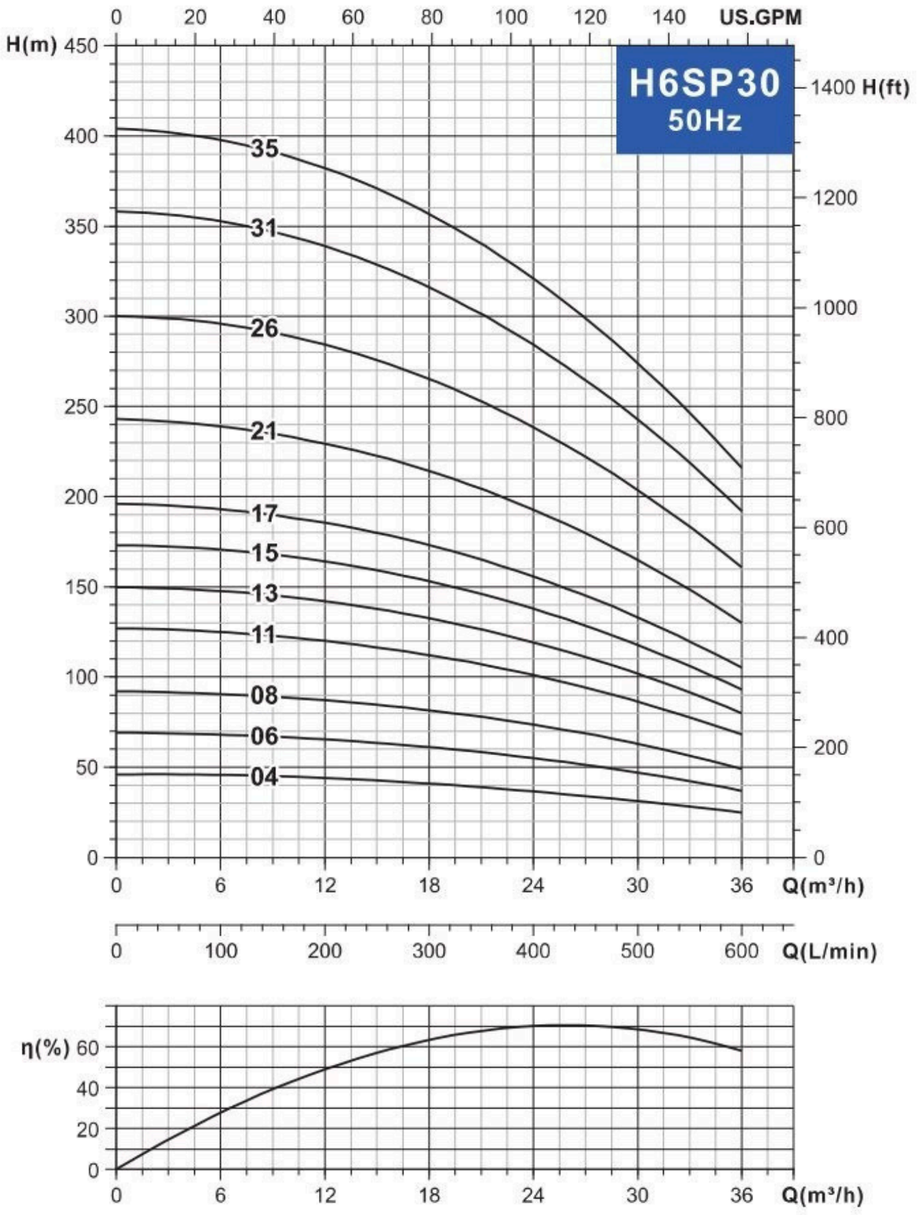
Electric submersible pump H6SP series is suitable for lifting clean water in wells, domestic, civil and industrial applications, including water supply, irrigation systems. H6SP30 series capacity range: 9m³/h 36m³/h, max total head: 404m

H6SP30 SIZE CHARTS

Model	A	B	C	ϕD	ϕE	ϕmax
H6SP30-04	657	702	1359	G3" or G4"	144	145
H6SP30-06	849	742	1591			
H6SP30-08	1041	777	1818			
H6SP30-11	1329	807	2136			
H6SP30-13	1521	832	2353			
H6SP30-15	1713	862	2575			
H6SP30-17	1905	917	2822			
H6SP30-21	2289	967	3256			
H6SP30-26	2769	1017	3786			
H6SP30-31	3249	1062	4311			
H6SP30-35	3633	1117	4750			

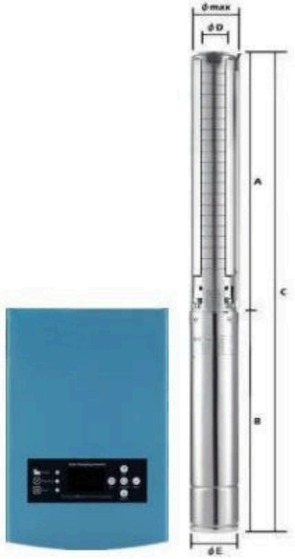
H6SP30 SELECTION CHARTS

Model 50Hz	Motor Power		Three Phase	Q	Capacity							
				US.gpm	0	40	79	106	123	132	141	158
				m³/h	0	9	18	24	28	30	32	36
			380V	L/min	0	150	300	400	467	500	533	600
	HP	kW	A		Total head in meters							
H6SP30-04	5.5	4	10.3	H (m)	46	45	41	37	33	31	29	25
H6SP30-06	7.5	5.5	13		69	67	61	55	50	47	44	37
H6SP30-08	10	7.5	17		92	89	82	73	67	63	59	49
H6SP30-11	12.5	9.2	21		127	123	112	101	92	86	81	68
H6SP30-13	15	11	24		150	145	133	119	108	102	95	80
H6SP30-15	17.5	13	28		173	168	153	138	125	118	110	93
H6SP30-17	20	15	32		196	190	173	156	141	133	125	105
H6SP30-21	25	18.5	40		243	235	214	193	175	165	154	130
H6SP30-26	30	22	46		300	291	265	239	216	204	190	161
H6SP30-31	35	26	54		358	347	316	284	258	243	227	192
H6SP30-35	40	30	64		404	391	357	321	291	274	256	216



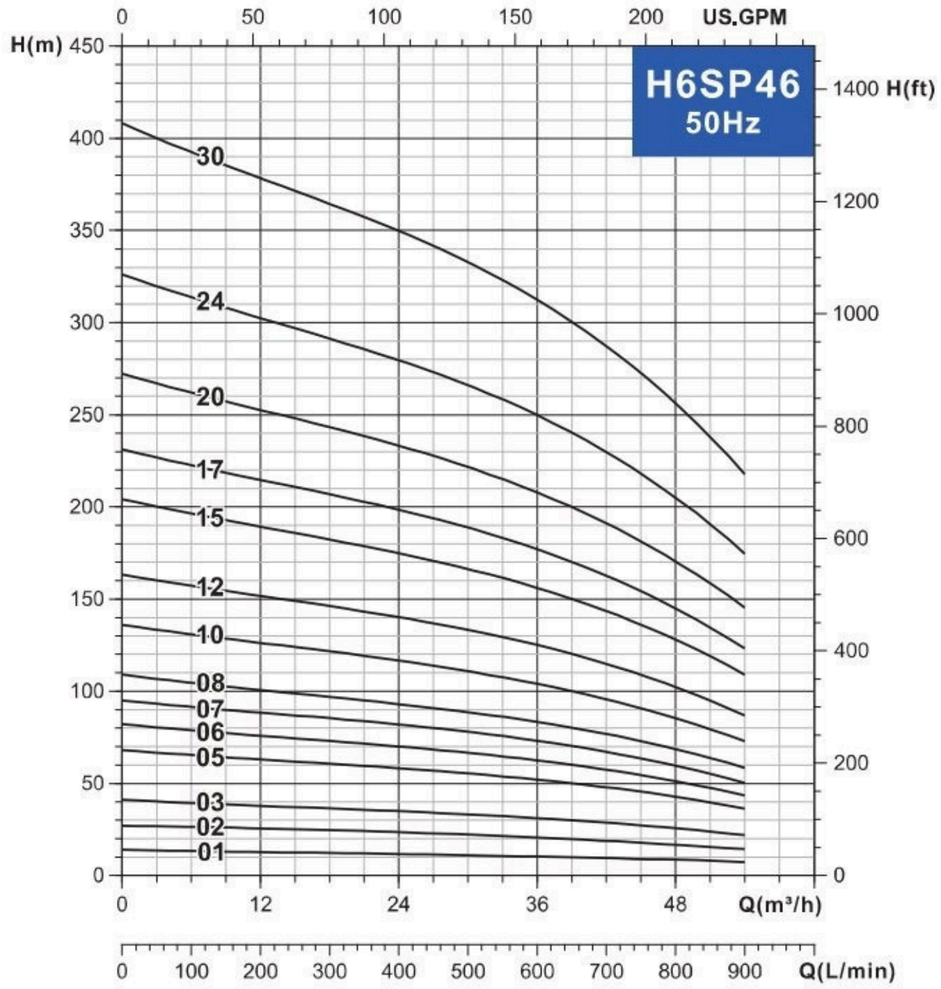
H6SP46 SIZE CHARTS

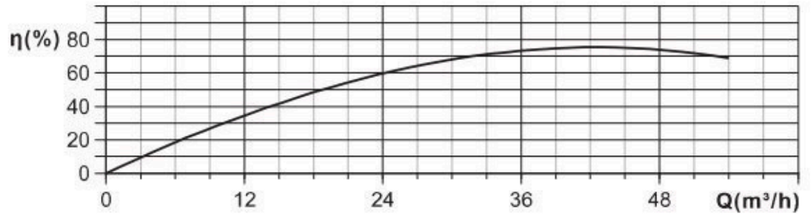
Model	A	B	C	ϕD	ϕE	ϕmax
H6SP46-01	370	454	824	G3" or G4"	144	145
H6SP46-02	499	667	1166			
H6SP46-03	612	702	1314			
H6SP46-05	838	777	1615			
H6SP46-06	951	807	1758			
H6SP46-07	1064	832	1896			
H6SP46-08	1177	862	2039			
H6SP46-10	1403	917	2320			
H6SP46-12	1629	967	2596			
H6SP46-15	1968	1017	2985			
H6SP46-17	2194	1062	3256			
H6SP46-20	2533	1117	3650			
H6SP46-24	2985	1207	4192			
H6SP46-30	3324	1105	4429			



H6SP46 SELECTION CHARTS

Model 50Hz	Motor Power		Three Phase	Q	Capacity							
				US.gpm	0	106	132	158	202	211	220	238
				m³/h	0	24	30	36	46	48	50	54
			380V	L/min	0	400	500	600	766	800	833	900
	HP	kW	A		Total head in meters							
H6SP46-01	3	2.2	6.2	H (m)	14	12	11	10	9	9	8	7
H6SP46-02	4	3	8.3		27	24	22	20	18	17	16	14
H6SP46-03	7.5	5.5	13		41	35	33	31	27	26	24	22
H6SP46-05	10	7.5	17		68	59	55	51	46	43	40	36
H6SP46-06	12.5	9.2	21		82	71	66	61	55	52	48	43
H6SP46-07	15	11	24		95	83	77	72	64	60	56	50
H6SP46-08	17.5	13	28		109	94	88	82	73	69	65	58
H6SP46-10	20	15	32		136	118	110	102	91	86	81	72
H6SP46-12	25	18.5	40		163	142	132	123	109	103	97	86
H6SP46-15	30	22	46		204	177	165	153	137	129	121	108
H6SP46-17	35	26	54		231	201	187	174	155	146	137	122
H6SP46-20	40	30	62		272	236	220	204	182	172	161	144
H6SP46-24	50	37	74		326	283	264	245	219	207	194	173
H6SP46-30	60	45	91.4		408	354	330	307	274	258	242	216





Moving Water is Solar Business

BLDC SOLAR WATER PUMP

Solar Pumping Solution

Solar DC Pump

DC solar pump system consists of solar panels, MPPT dc pump controller DC pump, and water storage device. The DC brushless motor is 30% higher efficiency than AC pump motors. Solar panels convert sunlight into electrical energy which is passed to the solar pump controller. The solar controller stabilizes the voltage and output power to drive the pump motor.

system chart

Solar Deep well Pump

Advantage of solar pump

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote controlTracking)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery etc.
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

Material of Parts

01
Outlet
Stainless Stell
AISI 304 SS/316SS

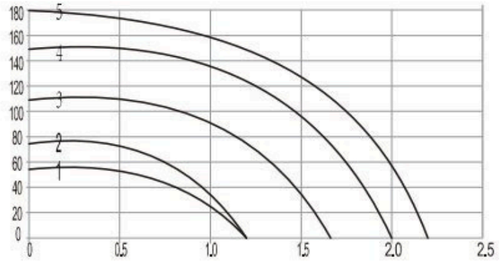
02
Inlet
Stainless Stell
AISI 304 SS/316SS

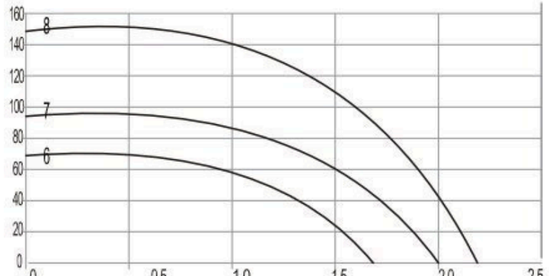
03
Bottom support
Stainless Stell
AISI 304 SS/316SS

Peformance Datasheet

Model No.	Solar Pump Model Name	Voltage	Controller Power	Motor Power	Solar panels Reference	Max Flow & Lift		Well Diameter	Outlet
		V/DC	W	W	Power(W/PCS)	Max.flow	Max.head	(inch)	(inch)
1	HBP3S-24-120-1.2-56	24	300	120	335w *1PC	1.2m3/h	56m	G 4" 100mm	G 3/4" 19mm
2	HBP3S-36-210-1.2-77	36	300	210	335w *1PC	1.2m3/h	77m	G 4" 100mm	G 3/4" 19mm
3	HBP3S-48-500-1.7-109	48	750	500	335w *2PCS	1.7m3/h	109m	G 4" 100mm	G 3/4" 19mm
4	HBP3S-96-750-2.0-150	96	750	750	450w *3PCS	2m3/h	150m	G 4" 100mm	G 3/4" 19mm
5	HBP3S-110-1100-2.2-180	110	1100	1100	540w *3PCS	2.2m3/h	180m	G 4" 100mm	G 3/4" 19mm
6	HBP4S-48-500-1.7-70	48	750	500	335w *2PCS	1.7m3/h	70m	G 5" 125mm	G 1" 25mm
7	HBP4S-96-750-2.0-95	96	750	750	450w *3PCS	2m3/h	95m	G 5" 125mm	G 1" 25mm
8	HBP4S-110-1300-2.2-150	110	1500	1300	335w*6PCS, 3pcs *2	2.2m3/h	150m	G 5" 125mm	G 1" 25mm

Curve





Solar Deep well Pump

Advantage of solar pump

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Integrated DSP & MPPT(Maximum Power Point remote controlTracking)
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Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery etc.
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

Material of Parts

01
Outlet
Stainless Stell
AISI 304 SS/316SS

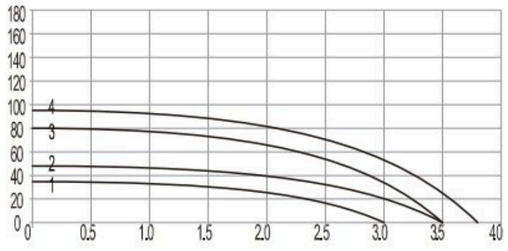
02
Inlet
Stainless Stell
AISI 304 SS/316SS

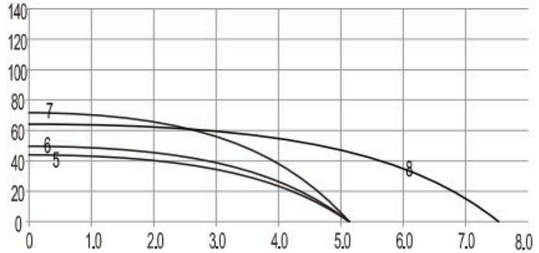
03
Bottom support
Stainless Stell
AISI 304 SS/316SS

Peformance Datasheet

Model No.	Solar Pump Model Name	Voltage	Controller Power	Motor Power	Solar panels Reference	Max Flow & Lift		Well Diameter	Outlet
		V/DC	W	W	Power(W/PCS)	Max.flow	Max.head	(inch)	(inch)
1	HBP3C-24-300-3-35	24	300	300	450w *1PC	3m3/h	35m	G 4" 100mm	G 1 1/4" 32mm
2	HBP3C-48-400-3.5-47	48	750	400	335w *2PCS	3.5m3/h	47m	G 4" 100mm	G 1 1/4" 32mm
3	HBP3C-72-600-3.5-80	72	750	600	450w * 2pcs	3.5m3/h	80m	G 4" 100mm	G 1 1/4" 32mm
4	HBP3C-72-750-3.5-95	72	750	750	450w *3PCS	3.5m3/h	95m	G 4" 100mm	G 1 1/4" 32mm
5	HBP3C-48-500-5.2-45	48	750	500	335w *2PCS	5.2m3/h	45m	G 4" 100mm	G1 1/2" 40mm
6	HBP3C-72-600-5.2-50	72	750	600	450w * 2pcs	5.2m3/h	50m	G 4" 100mm	G1 1/2" 40mm
7	HBP3C-96-750-5.2-75	96	750	750	450w *3PCS	5.2m3/h	75m	G 4" 100mm	G1 1/2" 40mm
8	HBP3C-110-1100-7.5-62	110	1100	1100	540w *3PCS	7.5m3/h	62m	G 4" 100mm	G1 1/2" 40mm

Curve





Solar Deep well Pump

Advantage of solar pump

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote controlTracking)
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Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

Material of Parts

01
Outlet
Stainless Stell
AISI 304 SS/316SS

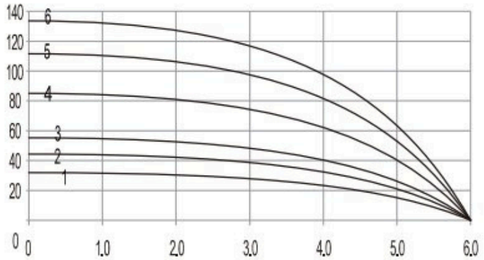
02
Inlet
Stainless Stell
AISI 304 SS/316SS

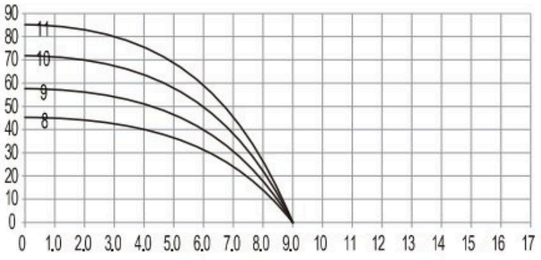
03
Bottom support
Stainless Stell
AISI 304 SS/316SS

Peformance Datasheet

Model No.	Solar Pump Model Name	Voltage	Controller Power	Motor Power	Solar panels Reference	Max Flow & Lift		Well Diameter	Outlet
		V/DC	W	W	Power(W/PCS)	Max.flow	Max.head	(inch)	(inch)
1	HBP4C-48-400-6-32	48	750	400	335w *2PCS	6m3/h	32m	G 5" 125mm	G 1 1/4" 32mm
2	HBP4C-72-600-6-42	72	750	600	450w * 2pcs	6m3/h	42m	G 5" 125mm	G 1 1/4" 32mm
3	HBP4C-72-750-6-56	72	750	750	540w *2PCS	6m3/h	56m	G 5" 125mm	G 1 1/4" 32mm
4	HBP4C-110-1100-6-84	110	1100	1100	540w *3PCS	6m3/h	84m	G 5" 125mm	G 1 1/4" 32mm
5	HBP4C-110-1300-6-112	110	1500	1300	335w*6PCS, 3pcs *2	6m3/h	112m	G 5" 125mm	G 1 1/4" 32mm
6	HBP4C-110-1500-6-135	110	1500	1500	335w*6PCS, 3pcs *2	6m3/h	135m	G 5" 125mm	G 1 1/4" 32mm
7	HBP4C-300-2200-6-175	300	2200	2200	335w*9PCS in series	6m3/h	175m	G 5" 125mm	G 1 1/4" 32mm
8	HBP4C-96-750-9-45	96	750	750	450w *3PCS	9m3/h	45m	G 5" 125mm	G2" 50mm
9	HBP4C-110-1100-9-58	110	1100	1100	540w *3PCS	9m3/h	58m	G 5" 125mm	G2" 50mm
10	HBP4C-110-1300-9-71	110	1500	1300	335w*6PCS, 3pcs *2	9m3/h	71m	G 5" 125mm	G2" 50mm
11	HBP4C-110-1500-9-85	110	1500	1500	335w*6PCS, 3pcs *2	9m3/h	85m	G 5" 125mm	G2" 50mm
12	HBP4C-300-2200-9-125	300	2200	2200	335w*9PCS in series	9m3/h	125m	G 5" 125mm	G2" 50mm

Curve





Solar Deep well Pump

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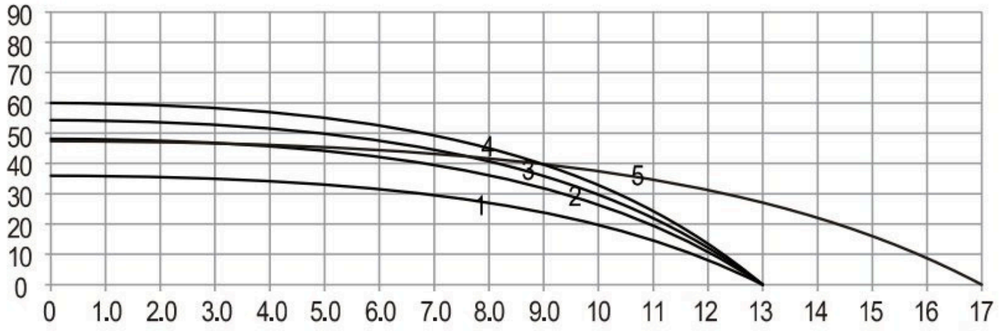
Stainless Stell
AISI 304 SS/316SS

Peformance Datasheet

Model No.	Solar Pump Model Name	Voltage	Controller Power	Motor Power	Solar panels Reference	Max Flow & Lift		Well Diameter	Outlet
		V/DC	W	W	Power(W/PCS)	Max.flow	Max.head	(inch)	(inch)
1	HBP4C-96-750-13-50	96	750	750	450w *3PCS	13m3/h	50m	G 5" 125mm	G2" 50mm
2	HBP4C-110-1100-13-49	110	1100	1100	540w *3PCS	13m3/h	49m	G 5" 125mm	G2" 50mm
3	HBP4C-110-1300-13-54	110	1500	1300	335w*6PCS, 3pcs *2	13m3/h	54m	G 5" 125mm	G2" 50mm
4	HBP4C-110-1500-13-60	110	1500	1500	335w*6PCS, 3pcs *2	13m3/h	60m	G 5" 125mm	G2" 50mm
5	HBP4C-300-2200-13-110	300	2200	2200	335w*9PCS in series	13m3/h	110m	G 5" 125mm	G2" 50mm
6	HBP4C-110-1500-17-48	110	1500	1500	335w*6PCS, 3pcs *2	17m3/h	48m	G 5" 125mm	G2" 50mm
7	HBP4C-300-2200-17-72	300	2200	2200	335w*9PCS in series	17m3/h	72m	G 5" 125mm	G2" 50mm

Curve



Solar Deep well Pump

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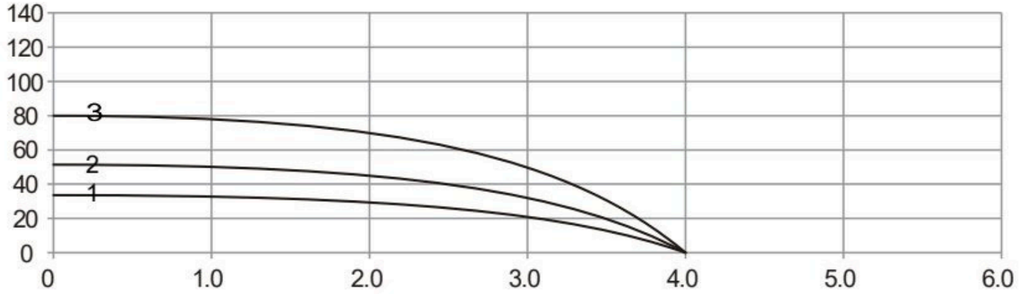
AISI 304 SS/316SS

Peformance Datasheet

Model No.	Solar Pump Model Name	Voltage	Controller Power	Motor Power	Solar panels Reference	Max Flow & Lift		Well Diameter	Outlet
		V/DC	W	W	Power(W/PCS)	Max.flow	Max.head	(inch)	(inch)
1	HBP3SC-24-300-4-35	24	300	300	450w *1PC	4m3/h	35m	G 4" 100mm	G 1 1/4" 32mm
2	HBP3SC-48-400-4-50	48	750	400	335w *2PCS	4m3/h	50m	G 4" 100mm	G 1 1/4" 32mm
3	HBP3SC-72-600-4-80	72	750	600	450w * 2pcs	4m3/h	80m	G 4" 100mm	G 1 1/4" 32mm

Curve



Solar Deep well Pump

Advantage of solar pump

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Material of Parts

01
Outlet
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AISI 304 SS/316SS

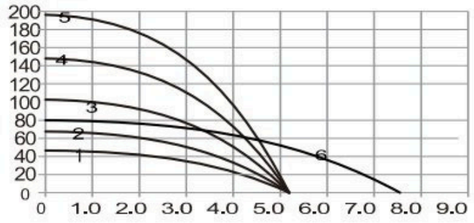
02
Inlet
Stainless Stell
AISI 304 SS/316SS

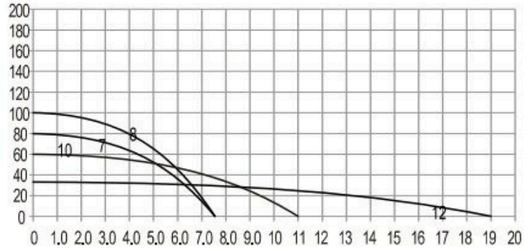
03
Bottom support
Stainless Stell
AISI 304 SS/316SS

Peformance Datasheet

Model No.	Solar Pump Model Name	Voltage	Controller Power	Motor Power	Solar panels Reference	Max Flow & Lift		Well Diameter	Outlet
		V/DC	W	W	Power(W/PCS)	Max.flow	Max.head	(inch)	(inch)
1	HBP4SC-48-500-5.2-45	48	750	500	335w *2PCS	5.2m3/h	45m	G 5" 125mm	G 1 1/4" 32mm
2	HBP4SC-96-750-5.2-67	96	750	750	450w *3PCS	5.2m3/h	67m	G 5" 125mm	G 1 1/4" 32mm
3	HBP4SC-110-1100-5.2-101	110	1100	1100	540w *3PCS	5.2m3/h	101m	G 5" 125mm	G 1 1/4" 32mm
4	HBP4SC-110-1300-5.2-146	110	1500	1300	335w*6PCS, 3pcs *2	5.2m3/h	146m	G 5" 125mm	G 1 1/4" 32mm
5	HBP4SC-110-1500-5.2-198	110	1500	1500	335w*6PCS, 3pcs *2	5.2m3/h	198m	G 5" 125mm	G 1 1/4" 32mm
6	HBP4SC-300-2200-5.2-255	300	2200	2200	335w*9PCS in series	5.2m3/h	255m	G 5" 125mm	G 1 1/4" 32mm
7	HBP4SC-110-1300-7.5-80	110	1500	1300	335w*6PCS, 3pcs *2	7.5m3/h	80m	G 5" 125mm	G 1 1/4" 32mm
8	HBP4SC-110-1500-7.5-100	110	1500	1500	335w*6PCS, 3pcs *2	7.5m3/h	100m	G 5" 125mm	G 1 1/4" 32mm
9	HBP4SC-300-2200-7.5-150	300	2200	2200	335w*9PCS in series	7.5m3/h	150m	G 5" 125mm	G 1 1/4" 32mm
10	HBP4SC-110-1500-11-60	110	1500	1500	335w*6PCS, 3pcs *2	11m3/h	60m	G 5" 125mm	G2" 50mm
11	HBP4SC-300-2200-11-120	300	2200	2200	335w*9PCS in series	11m3/h	120m	G 5" 125mm	G2" 50mm
12	HBP4SC-110-1500-19-35	110	1500	1500	335w*6PCS, 3pcs *2	19m3/h	35m	G 6" 125mm	G3" 75mm
13	HBP4SC-300-2200-19-60	300	2200	2200	335w*9PCS in series	19m3/h	60m	G 6" 125mm	G3" 75mm

Curve





Solar Deep well Pump

Advantage of solar pump

Maintenance-Free Brushless DC Motor
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Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery etc.
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

Material of Parts

01
Outlet
Stainless Stell
AISI 304 SS/316SS

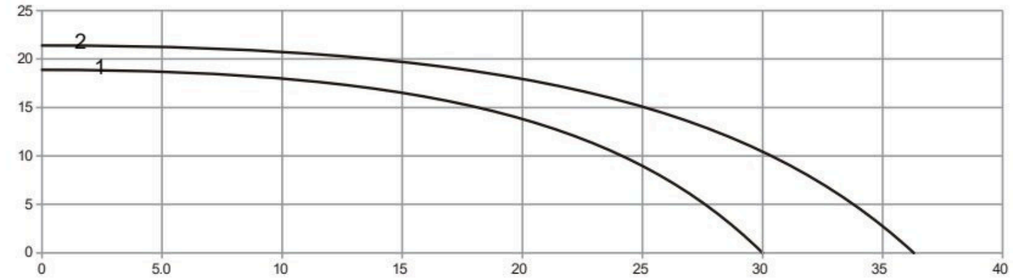
02
Inlet
Stainless Stell
AISI 304 SS/316SS

03
Bottom support
Stainless Stell
AISI 304 SS/316SS

Peformance Datasheet

Model No.	Solar Pump Model No.	Voltage	Controller Power	Motor Power	Solar panels Reference	Max Flow & Lift		Well Diameter	Outlet
		V/DC	W	W	Power(W/PCS)	Max.flow	Max.head	(inch)	(inch)
1	HBP4SC-110-1100-36-19	110	1500	1100	335w*6PCS, 3pcs *2	36m3/h	19m	G 6"	G3" 75mm
2	HBP4SC-110-1500-36-22	110	1500	1500	335w*6PCS, 3pcs *2	36m3/h	22m	G 6"	G3" 75mm
3	HBP4SC-300-2200-36-38	300	2200	2200	335w*9PCS in series	36m3/h	38m	G 6"	G3" 75mm

Curve



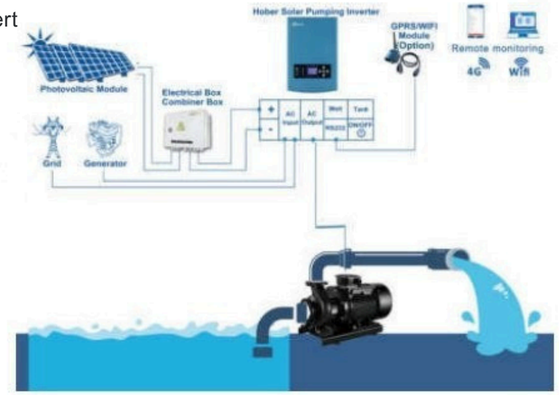
Moving Water is Solar Business

Surface Pump Solution

Solar Pumping system

Solar Surface Water Pump

A solar surface pump is a solar-powered pump designed to draw water from shallow sources like rivers, lakes, ponds, or tanks for agricultura or domestic use. Unlike submersible pumps, it operates above the water surface and is powered by solar panels that convert sunlight into electricity.



Model	Motor Power(kW)	Flow (m³/h)	Head (m)	Speed (rpm)	Inlet Diameter	Outlet Diameter	Weight (kg)
NIS100-80-125/7.5	7.5	100	20	2950	100	80	132
NIS100-80-160/15	15	100	38	2950	100	80	190
NIS125-80-160/15	15	160	26	2950	125	80	170
NIS125-80-160/11	11	160	18.5	2950	125	80	160
NIS125-80-315/11	11	80	31	1480	125	80	270
NIS125-80-315/15	15	80	38	1480	125	80	300
NIS125-100-200/30	30	250	30	2950	125	100	353
NIS125-100-250/11	11	125	21.5	1480	125	100	250
NIS125-100-315/15	15	125	30	1480	125	100	285
NIS150-125-250/18.5	18.5	200	25	1480	150	125	308
NIS150-125-250/15	15	200	20	1480	150	125	277
NIS150-125-315A/30	30	200	33	1480	150	125	433
NIS150-125-315/22	22	200	28	1480	150	125	373
NIS200-150-250/30	30	400	20	1480	200	150	445
NIS200-150-315/45	45	400	31	1480	200	150	585
NIS250-200-250/30	30	500	16.5	1480	250	200	582
NIS250-200-250/22	22	500	12.5	1480	250	200	485

Model	Motor Power(kW)	Flow (m³/h)	Head (m)	Speed (rpm)	Inlet Diameter	Outlet Diameter	Weight (kg)
NISO100-80-125/7.5	7.5	100	20	2950	100	80	142
NISO100-80-160/11	11	100	29.5	2950	100	80	215
NISO125-80-160/15	15	160	26	2950	125	80	220
NISO125-80-250/7.5	7.5	80	21	1450	125	80	220
NISO125-80-315/11	11	80	31	1480	125	80	300
NISO125-100-200/30	30	250	30	2950	125	100	380
NISO125-100-250/11	11	125	21.5	1480	125	100	295
NISO125-100-315/15	15	125	30	1480	125	100	330
NISO150-125-250/18.5	18.5	200	25	1480	150	125	345
NISO150-125-250/15	15	200	20	1480	150	125	320
NISO150-125-315A/30	30	200	33	1480	150	125	480
NISO150-125-315/22	22	200	28	1480	150	125	410
NISO200-150-250/37	37	400	24	1480	200	150	600
NISO200-150-250/30	30	400	20	1480	200	150	530
NISO250-200-250/45	45	640	20	1480	250	200	670
NISO250-200-250/30	30	500	16.5	1480	250	200	565
NISO250-200-315/55	55	640	24	1480	250	200	795

Solar Submersible Pump

Advantage of solar pump

Maintenance-Free Brushless DC Motor
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Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery etc.
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

Material of Parts

01
Outlet
Cast Iron

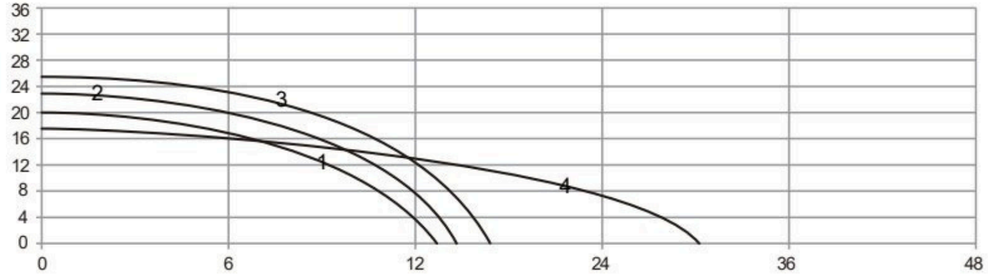
02
Inlet
Cast Iron

03
Bottom support
Cast Iron

Peformance Datasheet

Model No.	Solar Pump Model No.	Motor Voltage	Motor Power	Controller Power	Solar panels Reference	Max Flow & Lift		Outlet
		V/DC	W	W	Power(W/PCS)	Max.flow	Max.head	(inch)
1	HBPSQD-72-550-13-20	72	550	750	450w *2PCS	13m3/h	20m	G2" 50mm
2	HBPSQD-96-750-14-23	96	750	750	450w *3PCS	14m3/h	23m	G2" 50mm
3	HBPSQD-150-1100-16-25	150	1100	1100	540w *3PCS	16m3/h	25m	G2" 50mm
4	HBPSQD-180-1300-17-30	180	1500	1500	335w*6PCS, 3pcs *2 strings	17m3/h	30m	G2" 50mm

Curve



Solar Submersible Pump

Advantage of solar pump

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote controlTracking)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery etc.
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

Material of Parts

01
Outlet
Cast Iron

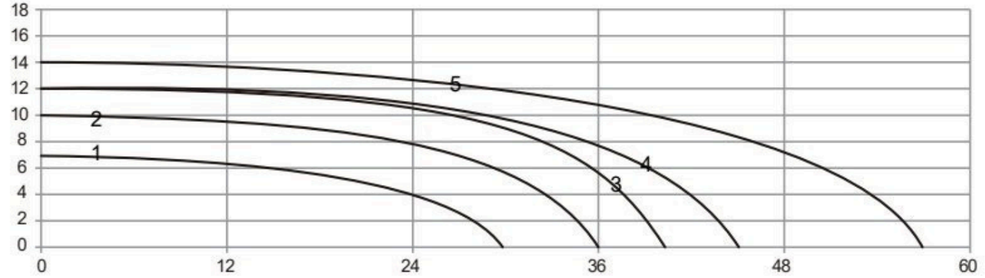
02
Inlet
Cast Iron

03
Bottom support
Cast Iron

Peformance Datasheet

Model No.	Solar Pump Model No.	Motor Voltage	Motor Power	Controller Power	Solar panels Reference	Max Flow & Lift		Outlet
		V/DC	W	W	Power(W/PCS)	Max.flow	Max.head	(inch)
1	HBPSQD-96-750-30-7	96	750	750	450w *3PCS	30m3/h	7m	G3" 75mm
2	HBPSQD-150-1100-36-10	150	1100	1100	540w *3PCS	36m3/h	10m	G3" 75mm
3	HBPSQD-180-1300-40-12	180	1500	1500	335w*6PCS, 3pcs *2 strings	40m3/h	12m	G3" 75mm
4	HBPSQD-200-1500-45-12	200	1500	1500	335w*6PCS, 3pcs *2 strings	45m3/h	12m	G4" 100mm
5	HBPSQD-300-2200-56-14	300	2200	2200	335w*9PCS in series	56m3/h	14m	G4" 100mm

Curve



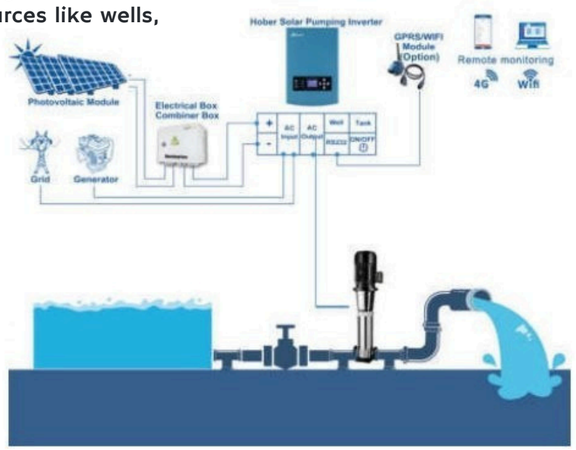
Moving Water is Solar Business

Booster Pump Solution

Solar Pumping system

Solar Booster Water Pump

A solar booster pump is a device powered by solar energy that increases water pressure and flow for agricultural irrigation and water supply. It uses solar panels to convert sunlight into electricity, driving the pump to lift or move water from sources like wells, rivers, or tanks



Model	Motor Power (kW)	Flow (m³/h)	Head (m)	Speed (rpm)	Inlet and Outlet	Weight (kg)
1 m³/h						
CDL1-15S	0.75kW	1	84	2900	DN25	35
CDL1-20S	1.1kW	1	111.5	2900	DN25	37
CDL1-25S	1.5kW	1	139	2900	DN25	44
CDL1-30S	1.5kW	1	167	2900	DN25	46
CDL1-35S	2.2kW	1	197	2900	DN25	49
CDL1-40S	2.2kW	1	226	2900	DN25	51
CDL1-42S	2.2kW	1	237	2900	DN25	52
2 m³/h						
CDL2-10	1.1kW	2	74	2900	DN25	29
CDL2-15	1.5kW	2	112	2900	DN25	36
CDL2-20	2.2kW	2	150	2900	DN25	42
CDL2-25	3kW	2	189	2900	DN25	52
3 m³/h						
CDL3-10S	1.1kW	3	59	2900	DN25	31
CDL3-15S	1.5kW	3	90	2900	DN25	40
CDL3-20S	2.2kW	3	120	2900	DN25	45
CDL3-25S	3kW	3	150	2900	DN25	55
CDL3-30S	3kW	3	181	2900	DN25	58
4 m³/h						
CDL4-5	1.1kW	4	40	2900	DN32	27
CDL4-10	2.2kW	4	81	2900	DN32	37
CDL4-15	3kW	4	120	2900	DN32	47
CDL4-20	4kW	4	161	2900	DN32	59
5 m³/h						
CDL5-5S	0.75kW	5	30	2900	DN32	28
CDL5-10S	1.5kW	5	62	2900	DN32	36
CDL5-15S	2.2kW	5	93	2900	DN32	42
CDL5-20S	3kW	5	124	2900	DN32	52
CDL5-25S	4kW	5	155	2900	DN32	60
CDL5-30S	5.5kW	5	186	2900	DN32	83

Model	Motor Power (kW)	Flow (m³/h)	Head (m)	Speed (rpm)	Inlet and Outlet	Weight (kg)
8 m³/h						
CDL8-5	2.2kW	8	45	2900	DN40	44
CDL8-10	4kW	8	92	2900	DN40	64
CDL8-15	5.5kW	8	139	2900	DN40	83
CDL8-20	7.5kW	8	186	2900	DN40	94
10 m³/h						
CDL10-5S	2.2kW	10	43	2900	DN40	53
CDL10-10S	4kW	10	89	2900	DN40	74
CDL10-15S	5.5kW	10	134	2900	DN40	101
CDL10-20S	7.5kW	10	181.5	2900	DN40	107
12 m³/h						
CDL12-5	3kW	12	50	2900	DN50	53
CDL12-10	7.5kW	12	101	2900	DN50	83
CDL12-15	11kW	12	151	2900	DN50	159
15 m³/h						
CDL15-5S	4kW	15	58	2900	DN50	62
CDL15-10S	11kW	15	118	2900	DN50	166
CDL15-15S	15kW	15	177	2900	DN50	182
20 m³/h						
CDL20-5S	5.5kW	20	58	2900	DN50	75
CDL20-10S	11kW	20	119	2900	DN50	162
CDL20-15S	18.5kW	20	180	2900	DN50	198
32 m³/h						
CDL32-5-2	11kW	32	60	2900	DN65	181
CDL32-5	11kW	32	67	2900	DN65	181
CDL32-10	18.5kW	32	138	2900	DN65	227
CDL32-15	30kW	32	210	2900	DN65	345
CDL32-16	30kW	32	225	2900	DN65	350
42 m³/h						
CDL42-5	18.5kW	42	101	2900	DN80	221
CDL42-10	37kW	42	203	2900	DN80	355
CDL42-12	45kW	42	247	2900	DN80	432
CDL42-13-2	45kW	42	259	2900	DN80	438

Model	Motor Power (kW)	Flow (m³/h)	Head (m)	Speed (rpm)	Inlet and Outlet	Weight (kg)
65 m³/h						
CDL65-3	18.5kW	65	60	2900	DN100	221
CDL65-5	30kW	65	102	2900	DN100	320
CDL65-6	37kW	65	124	2900	DN100	349
CDL65-7	45kW	65	146	2900	DN100	420
CDL65-8-1	45kW	65	161	2900	DN100	424
85 m³/h						
CDL85-3	22kW	85	64	2900	DN100	252
CDL85-4	30kW	85	86	2900	DN100	312
CDL85-5	37kW	85	110	2900	DN100	336
CDL85-6	45kW	85	134	2900	DN100	407
120 m³/h						
CDL120-2	22kW	120	40	2950	DN125	285
CDL120-5	55kW	120	101.5	2950	DN125	575
CDL120-6	75kW	120	123	2950	DN125	705
CDL120-7	75kW	120	145	2950	DN125	715
150 m³/h						
CDL150-2	30kW	150	40	2950	DN125	350
CDL150-3	37kW	150	63	2950	DN125	385
CDL150-4	55kW	150	84	2950	DN125	560
CDL150-5	75kW	150	106.5	2950	DN125	690
CDL150-6	75kW	150	130	2950	DN125	700
200 m³/h						
CDL200-1	30kW	200	34	2950	DN150	403
CDL200-2	55kW	200	69	2950	DN150	595
CDL200-3	90kW	200	103	2950	DN150	817
CDL200-4	110kW	200	138	2950	DN150	1180

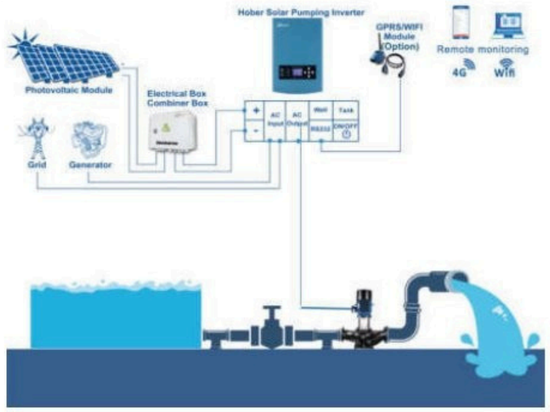
Moving Water is Solar Business

Surface Pump Solution

Solar Pumping system

Solar Surface Water Pump

A solar surface pump is a solar-powered pump designed to draw water from shallow sources like rivers, lakes, ponds, or tanks for agricultural or domestic use. Unlike submersible pumps, it operates above the water surface and is powered by solar panels that convert sunlight into electricity.

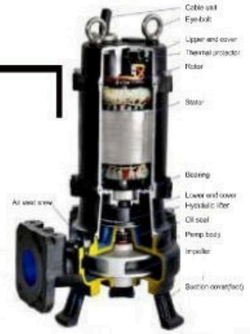


Model	Motor Power (kW)	Flow (m^3/h)	Head (m)	Speed (rpm)	Inlet and Outlet Diameter(mm)	Weight (kg)
LD32-33G/2	3	12.5	33	2900	32	52
LD40-20G/2	2.2	20	20	2900	40	43
LD50-24G/2	3	25	24	2900	50	55
LD50-35G/2	5.5	30	35	2900	50	81
LD50-50G/2	11	40	50	2900	50	173
LD65-20G/2	3	30	20	2900	65	57
LD80-23G/2	5.5	50	23	2900	80	87
LD80-32G/2	11	70	32	2900	80	179
LD80-38G/2	15	80	38	2900	80	194
LD100-17G/2	5.5	60	15	2900	100	96
LD100-22G/2	7.5	80	22	2900	100	104
LD100-27/2	11	100	27	2900	100	183
LD100-40G/2	18.5	100	40	2900	100	220
LD125-11G/4	5.5	120	11	1480	125	140
LD125-19G/4	11	140	19	1480	125	268
LD125-22G/4	15	160	22	1480	125	310
LD150-22G/4	18.5	200	22	1480	150	323
LD150-25/4	22	200	25	1480	150	354
LD150-33/4	30	200	33	1480	150	406
LD200-19/4	22	300	19	1480	200	434
LD200-31/4	37	300	31	1480	200	602
LD200-20/4	30	400	20	1480	200	492
LD200-50/4	90	400	50	1480	200	975
LD250-16/4	30	500	16	1480	250	550
LD250-29/4	55	500	29	1480	250	773
LD250-56/4	110	500	56	1480	250	1389
LD250-20/4	55	630	20	1480	250	722
LD250-50/4	132	630	50	1480	250	1473
LD300-30/4	110	900	30	1480	300	1570
LD300-55/4	200	900	55	1480	300	1905

Moving Water is Solar Business

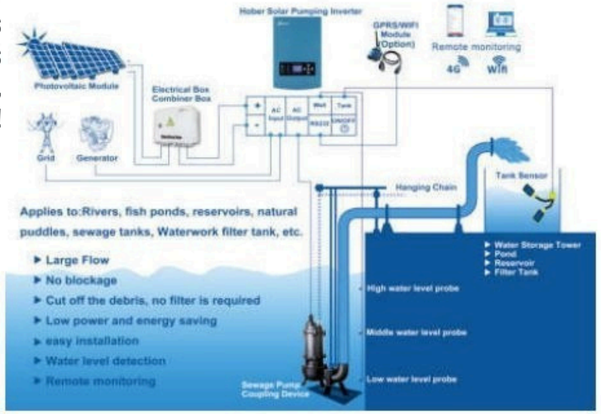
Sewage Pump Solution

Solar Pumping system



Solar Sewage Water Pump

A solar sewage pump uses solar power to pump sewage or water, like from rivers or lakes, with a super high flow rate. It's perfect for irrigation in farming and works well in places without electricity. Simple, green, and strong!



Model	Motor Power(kW)	Flow (m³/h)	Head (m)	Speed (rpm)	Outlet Diameter	Weight (kg)
50WQ7-10-0.75	0.75	10	10	2950	DN50	25
50WQ15-10-1.1	1.1	15	10	2950	DN50	25
50WQ15-15-1.5	1.5	15	15	2950	DN50	30
50WQ15-22-2.2	2.2	15	22	2950	DN50	37
50WQ25-28-4	4	25	28	2950	DN50	60
65WQ20-28-4	4	20	28	2950	DN65	61
65WQ30-30-5.5	5.5	30	30	2950	DN65	67
80WQ45-15-4	4	45	15	2950	DN80	61
80WQ30-30-5.5	5.5	30	30	2950	DN80	68
80WQ45-25-7.5	7.5	45	25	2950	DN80	96
100WQ65-15-5.5	5.5	65	15	2950	DN100	73
100WQ80-15-7.5	7.5	80	15	2950	DN100	105
100WQ80-25-11	11	80	25	1475	DN100	220
100WQ80-30-15	15	80	30	1475	DN100	240
100WQ100-25-15	15	100	25	1475	DN100	240
150WQ180-20-18.5	18.5	180	20	1475	DN150	290
150WQ180-25-22	22	180	25	1475	DN150	300
150WQ180-30-30	30	180	30	1475	DN150	435
150WQ250-22-30	30	250	22	1475	DN150	435
200WQ250-15-18.5	18.5	250	15	1475	DN200	290
200WQ360-16-30	30	360	16	1475	DN200	445
200WQ350-22-37	37	350	22	1475	DN200	520
200WQ400-25-45	45	400	25	1475	DN200	530
250WQ600-17-45	45	600	17	1475	DN250	540
250WQ600-20-55	55	600	20	1475	DN250	710
250WQ600-28-75	75	600	28	1475	DN250	760
250WQ700-30-90	90	700	30	1475	DN250	810
300WQ800-18-75	75	800	18	1475	DN300	830
300WQ900-22-90	90	900	22	1475	DN300	980

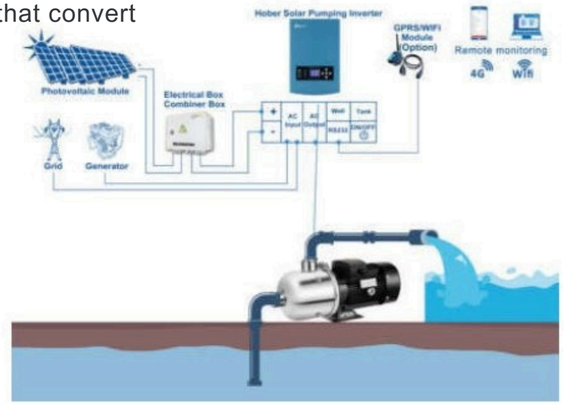
Moving Water is Solar Business

Surface Pump Solution

Solar Pumping system

Solar Surface Water Pump

A solar surface pump is a solar-powered pump designed to draw water from shallow sources like rivers, lakes, ponds, or tanks for agricultural or domestic use. Unlike submersible pumps, it operates above the water surface and is powered by solar panels that convert sunlight into electricity.



Model	Motor Power (kW)	Flow (m^3/h)	Head (m)	Speed (rpm)	Inlet Diameter(mm)	Outlet Diameter(mm)	Weight (kg)
CHL1-30	0.37	1	16	2900	G1	G1	10
CHL1-50	0.37	1	27	2900	G1	G1	12
CHL2-30	0.37	2	22	2900	G1	G1	10
CHL2-50	0.55	2	36	2900	G1	G1	12
CHL3-30	0.37	3	17	2900	G1	G1	10
CHL3-60	0.55	3	35	2900	G1	G1	13
CHL4-20	0.37	4	15	2900	G1.25	G1	10
CHL4-40	0.75	4	31	2900	G1.25	G1	14
CHL5-40	0.55	5	24	2900	G1.25	G1	12
CHL8-40	1.5	8	35	2900	G2	G2	27
CHL8-50	2.2	8	45	2900	G2	G2	32
CHL10-20	0.75	10	16.5	2900	G2	G2	19
CHL10-40	1.5	10	34	2900	G2	G2	27
CHL12-30	1.8	12	29.5	2900	G2	G2	28
CHL12-50	3	12	50	2900	G2	G2	37
CHL15-20	2.2	15	22.5	2900	G2	G2	26
CHL15-30	3	15	34.5	2900	G2	G2	34
CHL20-20	2.2	20	23	2900	G2	G2	26
CHL20-30	4	20	35	2900	G2	G2	40

SNV-GF10041
INVERTER CHARGER

OFF-GRID
10 kW

Feature Highlights:

- Wide PV input range 90 - 450VDC
- Dual output for smart load management
- Built-in WiFi with APP for remote monitoring and OTA firmware upgrade
- Built-in feed-in grid function
- Battery independent design
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit

MODEL	SNV-GF10041
RATED POWER	***10KVA / 10KW***
INPUT	
Voltage	***230 VAC***
Selectable Voltage Range	***170-280 VAC (For Personal Computers)*** ***90-280 VAC (For Home Appliances)***
Frequency Range	***50 Hz/60 Hz (Auto sensing)***
OUTPUT	
AC Voltage Regulation (Batt. Mode)	***230 VAC ± 5%***
Output Power	***10KVA / 10KW***
Surge Power	***20KVA***
BATTERY	
Battery Voltage	***48 VDC***
Floating Charge Voltage	***54 VDC***
Overcharge Protection	***63 VDC***
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	***MPPT***
Maximum PV Array Power	***14KW (7KW x 2)***
MPPT Range @ Operating Voltage	***90 ~ 450 VDC*** ***(min 100 VDC without Battery)***
Maximum PV Array Open Circuit Voltage	***500 VDC***
Maximum PV Input Current	***22 A x 2***
Maxmum Solar Charge Current	***180 A***
Maximum AC Charge Current	***150 A***
Maximum Total Charge Current	***180 A***
PHYSICAL	
Dimension, D x W x H (mm)	***141 x 322 x 497***
Net Weight (kgs)	***16.3***
Communication Interface	***RS232 / RS485 (BMS) / WiFi***
ENVIRONMENT	
Humidity	***5% to 95% Relative Humidity (Non-condensing)***
Operating Temperature	***-10°C to 50°C***
Storage Temperature	***-15°C to 60°C***

Specificationssubjectto change withoutpriornotice.

SNV-GF6541
INVERTER CHARGER

OFF-GRID
6.5 kW

Feature Highlights:

- Increased PV power to 9000W
- Maximum PV input current 27A
- Dual outputs for smart load management
- User-friendly 4.3” HMI LCD design for easy configuration
- Wide PV input range 90 ~ 450 VDC
- Built-in WiFi with APP for mobile monitoring
- Reserved communication port for BM
- Battery independent function
- Parallel operation with up to 6 units

MODEL	SNV-GF6541
RATED POWER	***6.5KVA / 6.5KW***
INPUT	
Voltage	***230 VAC***
Selectable Voltage Range	***170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)***
Frequency Range	***50 Hz/60 Hz (Auto sensing)***
OUTPUT	
Output Power	***6.5KVA/6.5KW with PV+Battery; 6KVA/6KW with Battery only***
AC Voltage Regulation (Batt. Mode)	***230 VAC ± 5%***
Overload Capability	***5s@≥150% load; 10s@110%~150% load; 100ms @ ≥200% load***
Efficiency (Peak)	***93 %***
Transfer Time	***10 ms (For Personal Computers); 20 ms (For Home Appliances)***
Waveform	***Pure sine wave***
BATTERY	
Battery Voltage	***48 VDC***
Floating Charge Voltage	***54 VDC***
Overcharge Protection	***66 VDC***
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	***MPPT***
Maximum PV Array Power	***9KW***
MPPT Range @Operating Voltage	***90 ~ 450 VDC***
Maximum PV Array Open Circuit Voltage	***500 VDC***
Maximum PV Input Current	***27A***
Maxmum Solar Charge Current	***120 A***
Maximum AC Charge Current	***120 A***
Maximum Charge Current	***120 A***
PHYSICAL	
Dimension, D x W x H (mm)	***140 x 295 x 468***
Net Weight (kgs)	***12.0***
Communication Interface	***RS232 / RS485 / WiFi***
ENVIRONMENT	
Humidity	***5% to 95% Relative Humidity (Non-condensing)***
Operating Temperature	***-10°C to 50°C***
Storage Temperature	***-15°C to 60°C***

Specificationssubjectto change withoutpriornotice.

SNV-GF1021

OFF-GRID INVERTER

OFF-GRID
1 kW

Feature Highlights:

- Puresine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/ solar input priority via LCD setting
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

MODEL	SNV-GF1021
Rated power	*1000VA/1000W*
INPUT (AC)	
Voltage	*220Vac*
Selectable voltage range	*170~280Vac (for personal computers)* *90~280Vac (for home appliances)*
Frequency range	*50Hz/60Hz (auto sensing)*
OUTPUT (AC)	
AC voltage regulation (batt. mode)	*220Vac±5%*
Surge power	*2000VA*
Efficiency (peak)	*93%*
Transfer time	*10ms (for personal computers)* *20ms (for home appliances)*
Waveform	*Pure sine wave*
BATTERY	
Battery voltage	*24Vdc*
Floating charge voltage	*27Vdc*
Overcharge protection	*31Vdc*
SOLAR CHARGER & AC CHARGER	
Solar charger type	*MPPT*
Max. PV array open circuit voltage	*102Vdc*
Max. PV array power	*1000W*
MPP range @operating voltage	*30~80Vdc*
Max. solar charge current	*40A*
Max. AC charge current	*20A*
Max. charge current	*60A*
PHYSICAL	
Dimensions (W*L*D) in mm	*88 x 225 x 320*
Net weight (kg)	*5*
Communication interface	*USB/RS232*
OPERATING ENVIRONMENT	
Humidity	*5% to 95% relative humidity (non-condensing)*
Operating temperature	*-100C to 500C*
Storage temperature	*-150C to 600C*

Specifications subject to change without prior notice

SNV-GH2041

HYBRID INVERTER

HYBRID

2 kW

Feature Highlights:

- Pure sine wave output
- Self-consumption and feed-in to the grid
- Programmable supply priority for PV, battery or grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tied, off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- Parallel operation up to 9 units for 2kW/3kW/5kW models
- Battery independent system

MODEL	SNV-GH2041
Phase	*1-phase in/ 1-phase out*
Max. PV input power	*3kW*
Rated output power	*2kW*
PV INPUT (DC)	
Nominal DC voltage/ Max. DC voltage	*240Vdc/450Vdc*
MPPT voltage range	*90Vdc~430Vdc*
NumberofMPPtrackers/Max. input current	*1/13A*
GRID-TIED GRID OUTPUT (AC)	
Nominal output voltage	*220/230/240Vac*
Output voltage range	*184~264.5Vac or 195.5~253Vac (selectable)*
Output frequency range	*47.5~51.5Hz or 49~51Hz (selectable)*
Nominal output current	*8.7A*
Power factor (cos Φ)	*>0.99*
EFFICIENCY	
Max. conversion efficiency (DC/AC)	*95%*
OFF-GRID & HYBRID OPERATION	
AC INPUT	
Acceptable input voltage range	*90~280Vac or 170~280Vac*
Frequency range	*50Hz/60Hz (auto sensing)*
Max. AC input current	*30A*
BATTERY MODE OUTPUT (AC)	
Nominal output voltage	*220/230/240Vac*
Output wave form	*Pure Sine Wave*
Nominal output frequency	*50Hz*
Efficiency (DC to AC)	*93%*
BATTERY & CHARGER	
Nominal DC voltage	*48Vdc*
Max. solar charging current	*60A*
Max. AC charging current	*60A*
Max. charging current	*60A*
GENERAL	
PHYSICAL	
Dimensions (D*W*H) in mm	*120 x 295 x 468*
Net weight (kg)	*11*
INTERACE	
Parallel function	*Yes, 9 units*
Communication port	*USB or RS-232/ Dry contact*
ENVIRONMENT	
Humidity	*0~90% RH (no condensing)*
Operating temperature	*-100C to 500C*

Specifications subject to change without prior notice

SNV-GH5042
HYBRID INVERTER

HYBRID
5 kW

Feature Highlights:

- Pure sine wave output
- Self-consumption and feed-in to the grid
- Programmable supply priority for PV, battery or grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tied, off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- Parallel operation up to 9 units for 2kW/3kW/5kW models
- Battery independent system
- Inbuilt WiFi Monitoring Data Logger
- Inbuilt RS485 port for Lithium Battery Communication

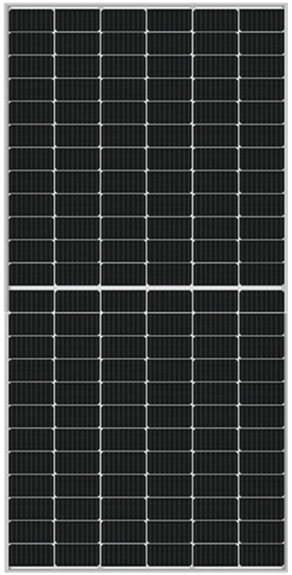
MODEL	SNV-GH5042
Phase	*1-phase in/ 1-phase out*
Max. PV input power	*6kW*
Rated output power	*5kW*
PV INPUT (DC)	
NominalDCvoltage/Max. DC voltage	*360Vdc/450Vdc*
MPPT voltage range	*120Vdc~430Vdc*
NumberofMPPtrackers/Max. input current	*1/27A*
GRID-TIED GRID OUTPUT (AC)	
Nominal output voltage	*220/230/240Vac*
Output voltage range	*184~264.5Vac or 195.5~253Vac (selectable)*
Output frequency range	*47.5~51.5Hz or 49~51Hz (selectable)*
Nominal output current	*21.7A*
Power factor (cos Φ)	*>0.99*
EFFICIENCY	
Max. conversion efficiency (DC/AC)	*95%*
OFF-GRID & HYBRID OPERATION	
AC INPUT	
Acceptable input voltage range	*90~280Vac or 170~280Vac*
Frequency range	*50Hz/60Hz (auto sensing)*
Max. AC input current	*40A*
BATTERY MODE OUTPUT (AC)	
Nominal output voltage	*220/230/240Vac*
Output wave form	*Pure Sine Wave*
Nominal output frequency	*50Hz*
Efficiency (DC to AC)	*93%*
BATTERY & CHARGER	
Nominal DC voltage	*48Vdc*
Max. solar charging current	*100A*
Max. AC charging current	*100A*
Max. charging current	*100A*
GENERAL	
PHYSICAL	
Dimensions (D*W*H) in mm	*140 x 295 x 468*
Net weight (kg)	*12*
INTERFACE	
Parallel function	*Yes, 9 units*
Communication port	*USB or RS-232/ Dry contact*
Monitoring communication	*Inbuilt WiFi Monitoring Data Logger*
ENVIRONMENT	
Humidity	*0~90% RH (no condensing)*
Operating temperature	*-100C to 500C*

Specifications subject to change without prior notice

550-72HMI

Monocrystalline

550Wp



(IEC 61730)

Powered by high-efficiency MONOCRYSTALLINE cells, this series of high performance modules provides the most cost-effective solution for lowering the LCOE of any PV systems large or small

Electrical Specifications

Max. Power at STC, Pmax (W)	STC	NOCT
Max. Power Voltage, Vmp (V)	***550.00***	***414.30***
Max. Power Current, Imp (A)	***42.40***	***39.10***
Open Circuit Voltage, Voc (V)	***12.98***	***10.58***
Short Circuit Current, Isc (A)	***50.20***	***46.90***
Efficiency (%)	***13.82***	***11.17***
Power Tolerance (W)	***21.29***	
Pmax Temperature Coefficient (%/°C)	***0~+5***	
Voc Temperature Coefficient (%/°C)	***-0.35***	
Isc Temperature Coefficient (%/°C)	***-0.27***	
Maximum System Voltage(VDC)	***+0.05***	
Maximum Series Fuse Rating (A)	***1500***	
Operating Temperature (°C)	***25***	
NOCT (°C)	***-40~+85***	
STC:Irradiance1000W/m2, CellTemperature25°C, AM1.5 NOCT: Irradiance 800W/m2, Ambient Temperature 20°C, Wind Speed 1m/s	***45±2***	

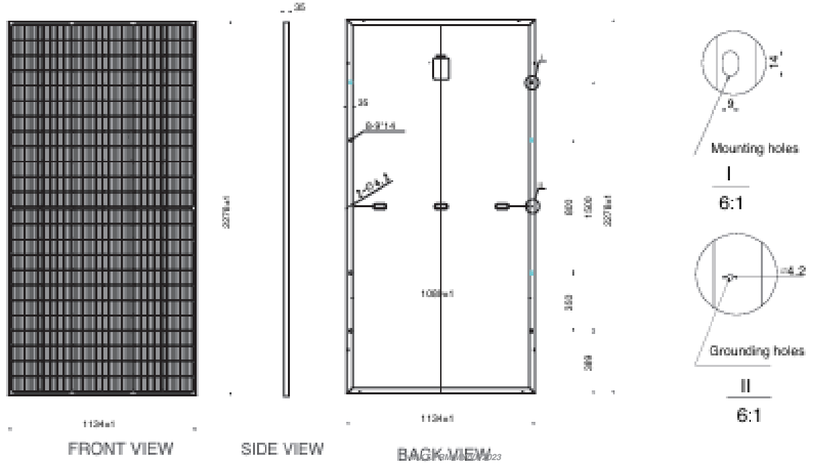
Mechanical Specifications

Cell Type	***Monocrystalline 182 x 91mm***
Number of Cells	***144 (6x24)***
Dimension of Module (mm)	***2278 x 1134 x 35***
Weight (kg)	***29.00***
Glass	***3.2mm tempered low iron glass***
Aluminium Frame	***Anodized aluminium***
Junction Box	***Split junction box (IP68, three diodes)***
Connector	***MC4 compatible***
Output Cables	***4.0mm2, +300mm, -300mm customized lenght***

Packing Configurations

Container Pieces per	***40'***
Pallet Pallets per	***31***
Container Pieces per	***20***
Container	***620***

Mechanical Drawings

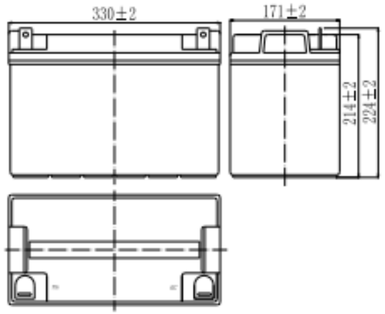


Specifications

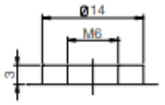
Nominal Voltage		12V
Capacity (25°C)	10HR (10.8V)	100Ah
	120HR (11.1V)	123Ah
	1HR (9.60V)	62.5Ah
Dimension	Length	330±2mm (12.99inch)
	Width	171±2mm (6.73inch)
	Height	214±2mm (8.43inch)
	Total Height	T5: 224±2mm (8.82inch)
		T9: 220±2mm (8.66inch)
Approx. Weight		30kg (66.2lbs)±4%
Terminal type		T9
Internal resistance (Fully charged, 25°C)		Approx. 4.5mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C±3°C(77°F±5°F)
Operating temperature range	Discharge	-15°C~50°C(5°F~122°F)
	Charge	-10°C~50°C(14°F~122°F)
	Storage	-20°C~50°C(-4°F~122°F)
Float charging voltage (25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage (25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		30A
Terminal material		Copper
Maximum discharge current		800A(5 sec.)
Cycle life		700 cycles@50% DOD

- Absorbent glass mat technology
- Recognized by UL & CE;
- Designed suitable for deep cycle use;
- ABS container.

Dimensions

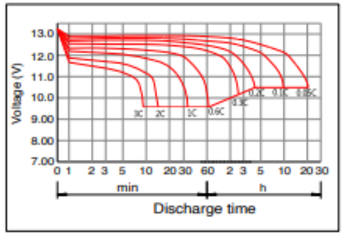


Terminal

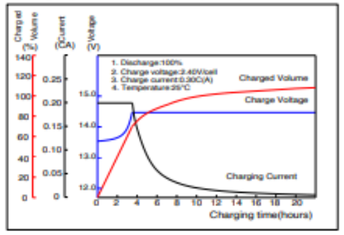


Terminal T9

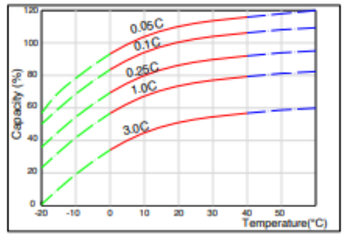
Discharge Characteristics (25°C)



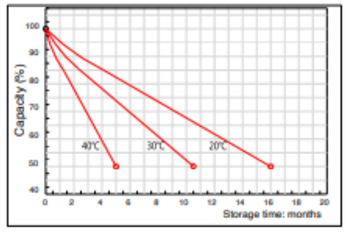
Charging Characteristics (25°C)



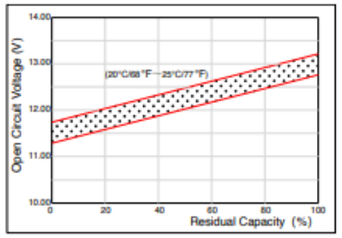
Effect of Temperature on Capacity



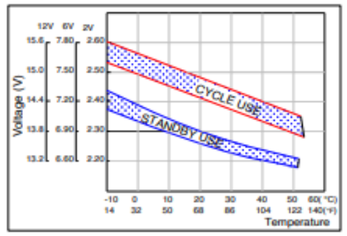
Self-discharge Characteristics



The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h	120h
9.60V	168	102	62.5	36.5	25.5	20.9	17.8	15.5	12.2	10.2	5.35	'==	'==	'==	'==
9.90V	163	99.2	61.8	36.3	25.4	20.8	17.8	15.3	12.2	10.2	5.33	'==	'==	'==	'==
10.2V	158	95.8	60.2	36.0	25.2	20.6	17.6	15.3	12.0	10.1	5.32	2.34	'==	'==	'==
10.5V	152	93.3	58.9	35.5	25.0	20.5	17.5	15.2	12.0	10.1	5.29	2.32	1.62	'==	'==
10.8V	143	90.0	57.2	34.6	24.3	19.9	17.0	14.8	11.6	10.0	5.25	2.31	1.60	'==	'==
11.1V	135	85.0	53.7	32.5	22.8	18.8	16.0	13.8	10.9	9.43	4.94	2.23	1.50	1.19	1.02

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h	120h
9.60V	1830	1123	712	420	298	243	210	182	145	122	64.0	'==	'==	'==	'==
9.90V	1786	1104	702	418	296	242	208	182	145	122	63.9	'==	'==	'==	'==
10.2V	1720	1072	686	415	294	240	208	180	144	120	63.8	28.3	'==	'==	'==
10.5V	1662	1048	672	410	292	239	205	178	143	120	63.5	28.1	19.6	'==	'==
10.8V	1574	1012	652	400	284	234	202	174	138	119	63.0	27.9	19.1	'==	'==
11.1V	1479	952	613	376	267	220	189	163	130	113	59.3	27.0	17.9	14.5	12.3

Note: The above characteristics data can be obtained within three charge/discharge cycles.

EPEVER XTRA4210N-G3 MPPT 40A

Technical Specifications

Item	XTRA1206N G3/G3 BLE	XTRA2206N G3/G3 BLE	XTRA1210N G3/G3 BLE	XTRA2210N G3/G3 BLE	XTRA3210N G3/G3 BLE	XTRA4210N G3/G3 BLE	XTRA3215N G3/G3 BLE	XTRA4215N G3/G3 BLE	XTRA3415N G3/G3 BLE	XTRA4415N G3/G3 BLE
Electrical Parameters										
Battery Rated Voltage	12/24VDC★ Auto								12/24/36/48VDC★Auto	
Rated Charging Current	10A	20A	10A	20A	30A	40A	30A	40A	30A	40A
Rated Discharging Current	10A	20A	10A	20A	30A	40A	30A	40A	30A	40A
Controller Work Voltage Range	8~31V								8~62V	
PV Maximum Open-circuit Voltage	60V(At minimum operating environment temperature) 46V(At 25℃ environment		100V(At minimum operating environment temperature) 92V(At 25℃ environment temperature)				150V(At minimum operating environment temperature) 138V(At 25℃ environment temperature)			
MPPT Voltage Range	temperature) (Battery voltage+2V)~36V		(Battery voltage+2V)~72V				(Battery voltage+2V)~108V			
Rated Charging Power	130W/12V 260W/24V	260W/12V 520W/24V	130W/12V 260W/24V	260W/12V 520W/24V	390W/12V 780W/24V	520W/12V 1040W/24V	390W/12V 780W/24V	520W/12V 1040W/24V	390W/12V 780W/24V 1170W/36V 1560W/48V	520W/12V 1040W/24V 1560W/36V 2080W/48V
Maximum Conversion Efficiency	97.90%	98.30%	98.20%	98.30%	98.60%	98.60%	97.60%	97.90%	98.10%	98.50%
Maximum Load Efficiency	97.00%	96.70%	96.20%	96.40%	96.60%	96.50%	95.10%	95.40%	96.90%	97.20%
Static Losses (Enable the com. port)	≤10mA(12V) ≤7mA(24V)	≤10mA(12V) ≤7mA(24V)	≤15mA(12V) ≤9mA(24V)	≤15mA(12V) ≤9mA(24V)	≤15mA(12V) ≤9mA(24V)	≤15mA(12V) ≤9mA(24V)	≤15mA(12V) ≤9mA(24V)	≤15mA(12V) ≤9mA(24V)	≤14mA(12V) ≤9mA(24V) ≤8mA(36V) ≤7mA(48V)	≤14mA(12V) ≤9mA(24V) ≤8mA(36V) ≤7mA(48V)
Static Losses (Disable the com. port)	≤8mA(12V) ≤5mA(24V)	≤8mA(12V) ≤5mA(24V)	≤8mA(12V) ≤6mA(24V)	≤8mA(12V) ≤6mA(24V)	≤8mA(12V) ≤5mA(24V)	≤8mA(12V) ≤5mA(24V)	≤8mA(12V) ≤5mA(24V)	≤8mA(12V) ≤5mA(24V)	≤8mA(12V) ≤5mA(24V) ≤5mA(36V) ≤5mA(48V)	≤8mA(12V) ≤5mA(24V) ≤5mA(36V) ≤5mA(48V)
Discharge-circuit Voltage Drop	≤0.23V									
Temperature Compensation	-3mV/℃/2V (Default)									
Grounding Type	Common negative									
RS485 Port	5VDC/200mA(RJ45)									
LCD Backlight Time	Default: 60S, Range: 0~999S(0S: the backlight is ON all the time)									

Mechanical Parameters

Dimension (L x W x H)	175×143×48 mm	217×158×56.5 mm	175×143×48 mm	217×158×56.5 mm	230×165×63 mm	255×185×67.8 mm	255×185×67.8 mm	255×187×75.7 mm	255×187×75.7 mm	255×189×83.2 mm
Mounting Size (L x W)	120×134mm	160×149mm	120×134mm	160×149mm	173×156mm	200×176mm	200×176mm	200×178mm	200×178mm	200×180mm
Mounting Hole Size	Φ5mm									
Terminal	12AWG(4mm²)	6AWG(16mm²)	12AWG(4mm²)	6AWG(16mm²)	6AWG(16mm²)	6AWG(16mm²)	6AWG(16mm²)	6AWG(16mm²)	6AWG(16mm²)	6AWG(16mm²)
Recommended Wire Size	12AWG(4mm²)	10AWG(6mm²)	12AWG(4mm²)	10AWG(6mm²)	8AWG(10mm²)	6AWG(16mm²)	8AWG(10mm²)	6AWG(16mm²)	8AWG(10mm²)	6AWG(16mm²)
Net Weight	0.58kg	0.97kg	0.59kg	0.97kg	1.30kg	1.72kg	1.66kg	2.08kg	2.16kg	2.60kg
Work Temperature Range	-25℃~+50℃						-15℃~+45℃			
Storage Temperature Range	-20℃~+70℃									
Relative Humidity	≤95%, N.C.									
Enclosure	IP33 (3-protection against solid objects: protected against solids objects over 2.5mm. 3-protected against sprays to 60°from the vertical.									
Pollution Degree	PD2									

Product Certification

FC IC ETL CE IECS RoHS

Solar Car | Solar Home | Solar Backpack | Solar Boat | Solar Street Light | Solar Power Generator