



Submersible Borehole Pumps

New-generation mechanical/electrical axial flow electric submersible pumps and mixed-flow electric submersible pumps from **Wings Pumps** provides high reliability, reduced installation and maintenance costs, with a longer lifetime.

CERTIFIED
ISO 9001
ISO 14001
ISO 45001
ISO 50001



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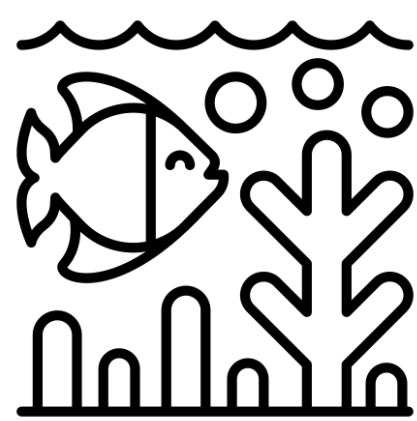


APPLICATIONS



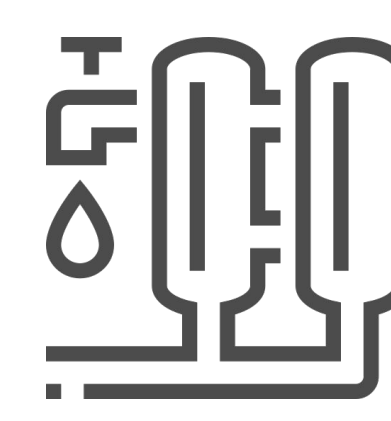
Storm Water Drainage

Supports structures, channels and pipes that carry stormwater (rain water) to ponds, lakes, streams and rivers.



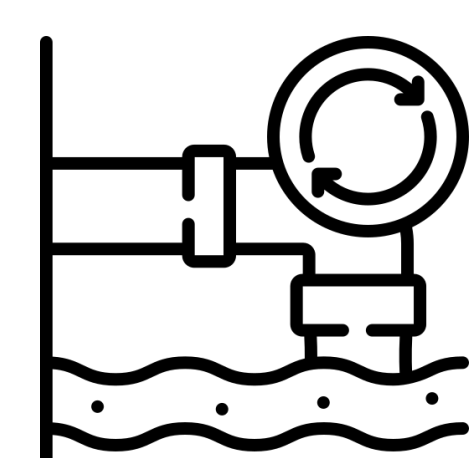
Irrigation and Aquaculture

Used for irrigation and aquaculture ecosystems. Environmentally-friendly.



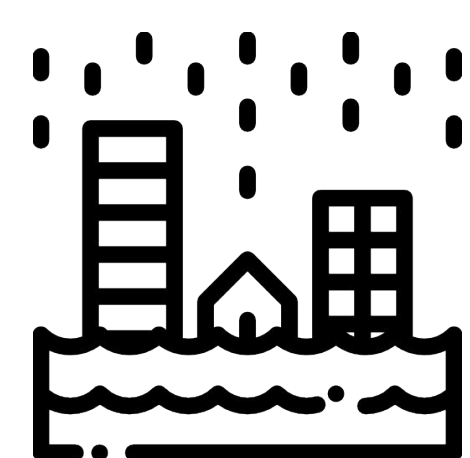
Raw Water and Processed Water

Supports raw water intakes and applicable intakes for water treatment plants.



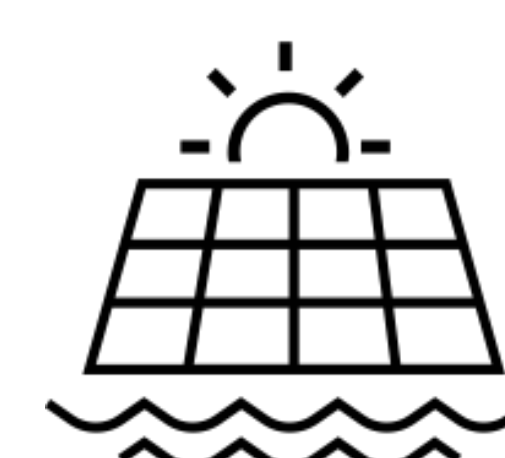
Sewage and Recirculation Sludge

Designed to move the thickest mixtures and pass large pieces of debris without damage or wear on the pump.



Municipality

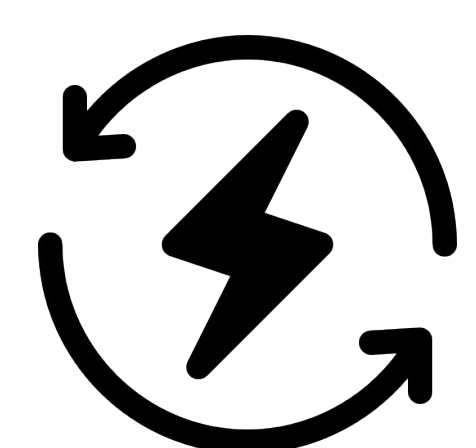
Well-Integrated with municipality work and projects with high requirements.



Renewable Energy

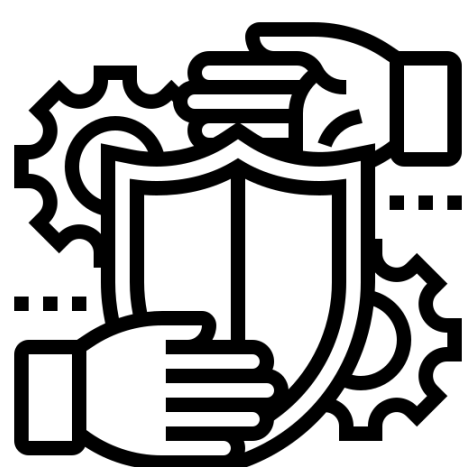
can be used with solar cells for sustainable energy with smart device that properly manage the process and prevent pump damage.

KEY BENEFITS



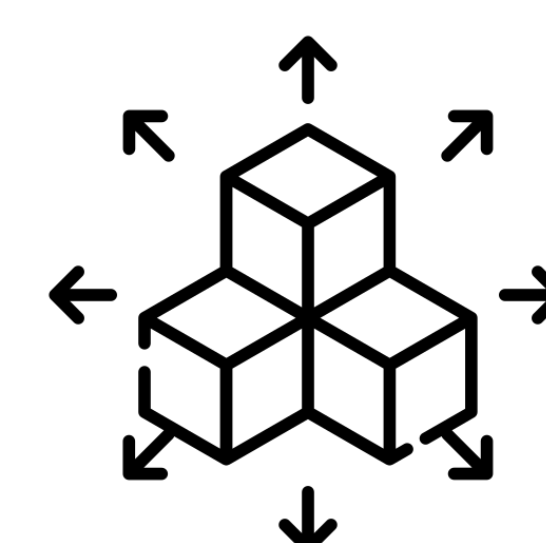
Better Power Consumption

Save more power with Premium Efficiency Motors.



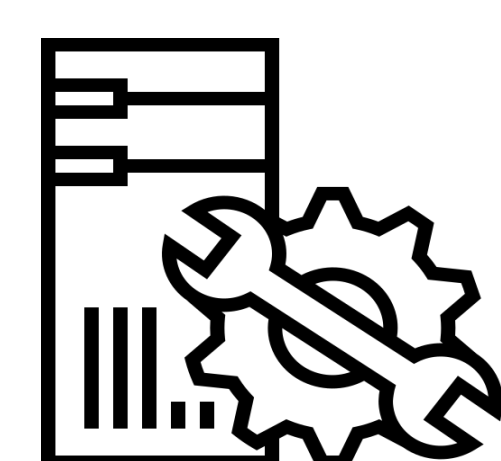
Stability and Reliability

Wings Pumps' advanced engineering provides better stability and reliability.



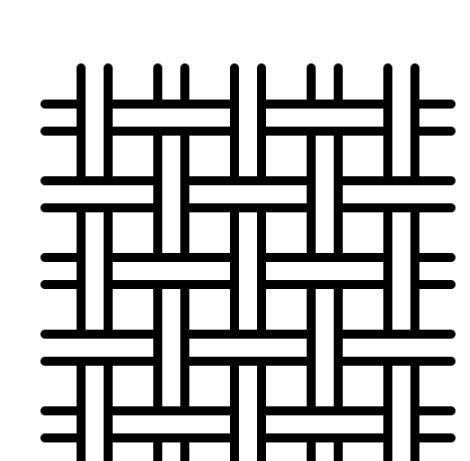
Wide Range of Operations

Wings Pumps are more versatile and can be used in a wide variety of operations.



High Flexibility in Installations

Wings Pumps can be installed perfectly in various situations and setups.



Flexibility in Material

Customize pumps with various material and composites to better suit your operations.



Internet of things

Through the cloud network system, the system organizes data and keeps tabs on the pump's operational state. User can be real-time observation possible.

FEATURES AND BENEFITS

Our new-generation mechanical/electrical axial flow electric **submersible pumps** and mixed-flow electric submersible pumps from **Wings Pumps** provides high reliability, reduced installation and maintenance costs, with a longer lifetime.

With **single-piece casting** of propellers and other components, Wings Pumps provide superior dynamic balance with extremely strong and stable operations.

Our **Premium Efficiency Motors** are manufactured according to IE 60034-30 IE3 standards, providing improved efficiency, reduced energy consumption with less impact on the environment.

Wings Pumps are engineered and designed with **Computational Fluid Dynamics** (CFD) combined with predictive AI and powerful graphics for visualizations and simulations to foresee any multi-dimensional problems.

Our **self-cleaning propeller** blade design decreases clogging and minimizes risks caused by liquids containing fibrous material or sludge.

A **slim design** offers easy installation, low vibration and low Net Positive Suction Head (NPSH)

Smart technology, highly intelligent controls with 8 points of sensor monitoring devices with optional AI and IoT expansions.

Our special Coating offers higher resistance to abrasive and corrosive effects

ISO 9001 & ISO14001 & ISO45001 certified. With ISO certification, Wings Pumps provides reliability with a high standard giving you assurance and peace of mind.

able to operate at a high performance for longer than 12 hours.



SUBMERSIBLE PROPELLER PUMP

1. Insulated Motor - for better reliability

All motors are fully submersible to a depth of at least 20 meters.

2. Unique seals provide extra safety

Our mechanical seal systems minimize shaft overhang while maximizing cooling and lubrication.

3. Sensors

Thermal sensors help prevent overheating. Leakage sensors alarms you of liquid intrusion through cables or seals.

4. Reliable and Efficient Hydraulics

Wings Pumps technology ensures maximum reliability and high efficiency.

5. Flexible Installation

Wings are designed according to the requirements of customer and suitability according to the actual situation

6. Spare Parts

All models will have stock spare parts for at least five years,
and WINGS' skilled staff will help you find the right part and give you advice on spare parts.

PREMIUM EFFICIENCY MOTORS (IE3) IN ACCORDANCE WITH IEC60034-30,IEC60529

Class F Insulation (Up to 155°C/311°F)

Temperature rise according to IEC / NEMA Class A

Class H Insulation (Up to 180°C/356°F)

Temperature rise according to IEC / NEMA Class A

International Protection Standard To IP68

International Protection Standard according to IEC 60529/DIN 40050

Better Savings on Power Consumption

Our highly efficient motors provide more savings with lower power consumption.

Better for the Environment

Our pumps are designed to be more more environmentally-friendly and have minimal impact on any ecosystem.

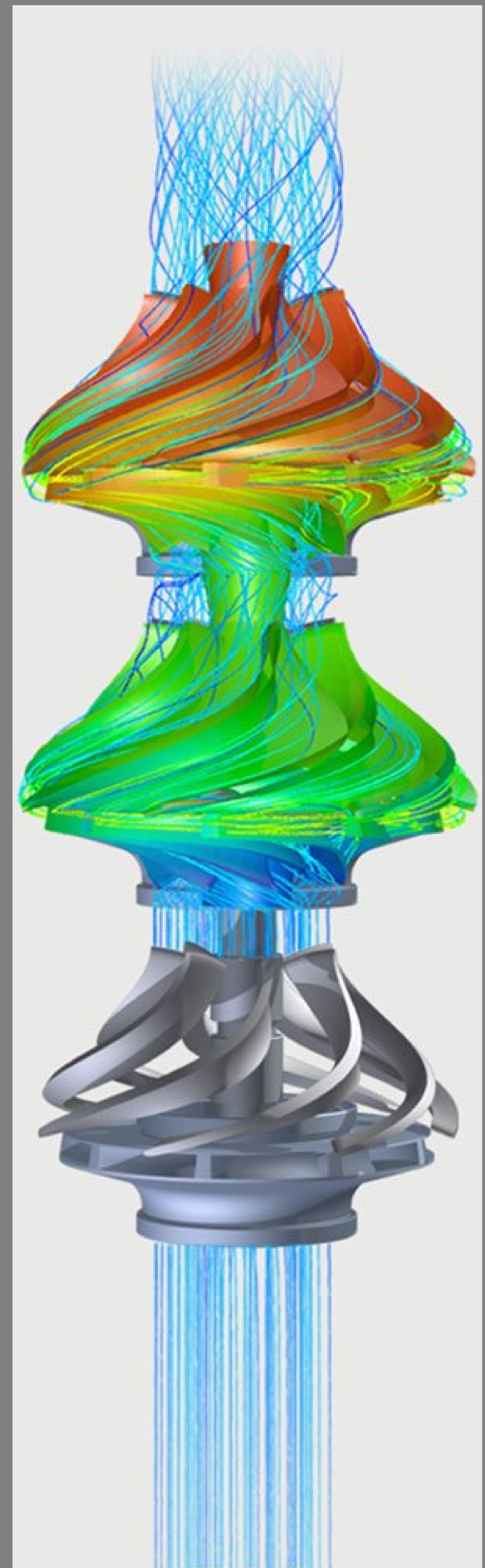
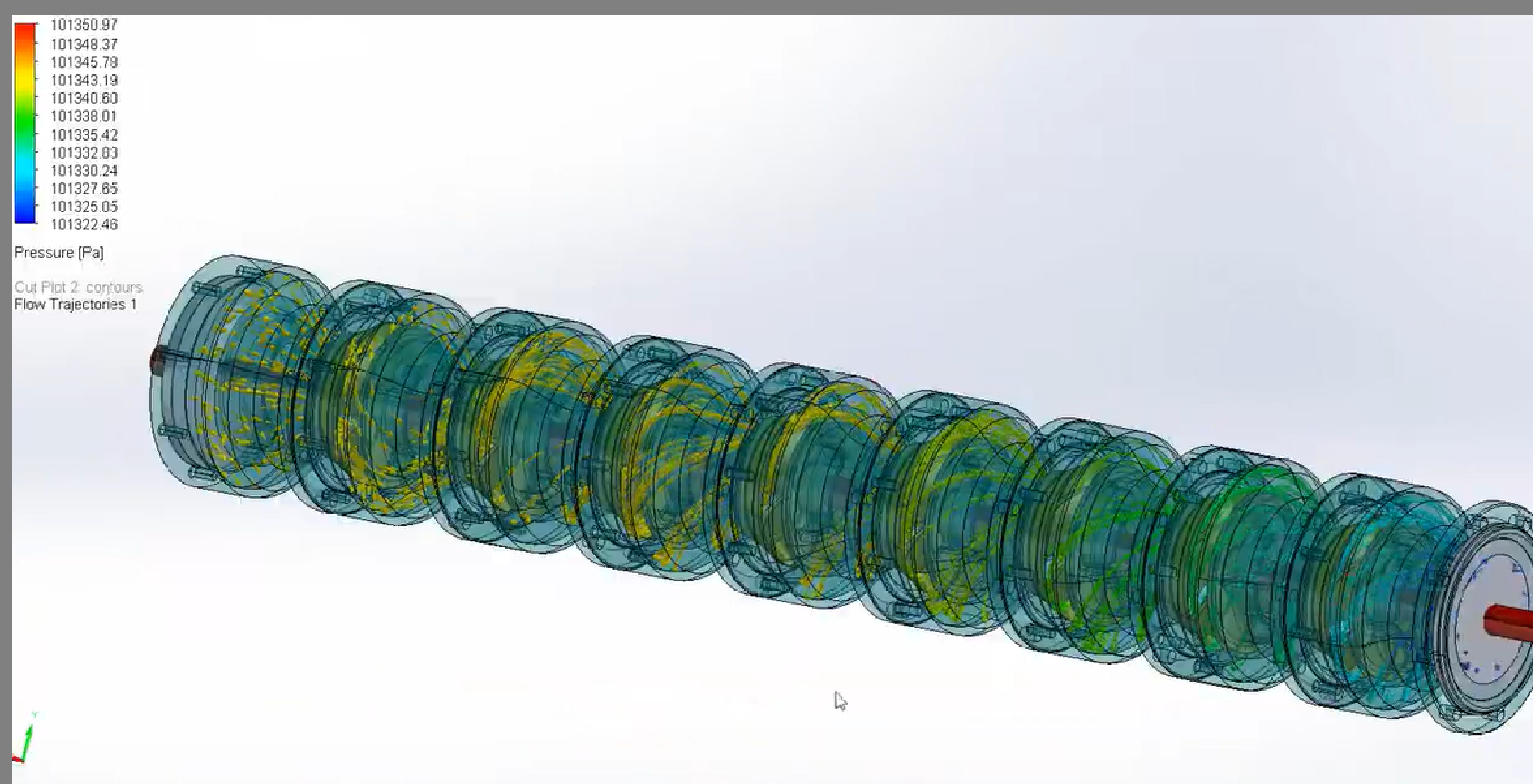
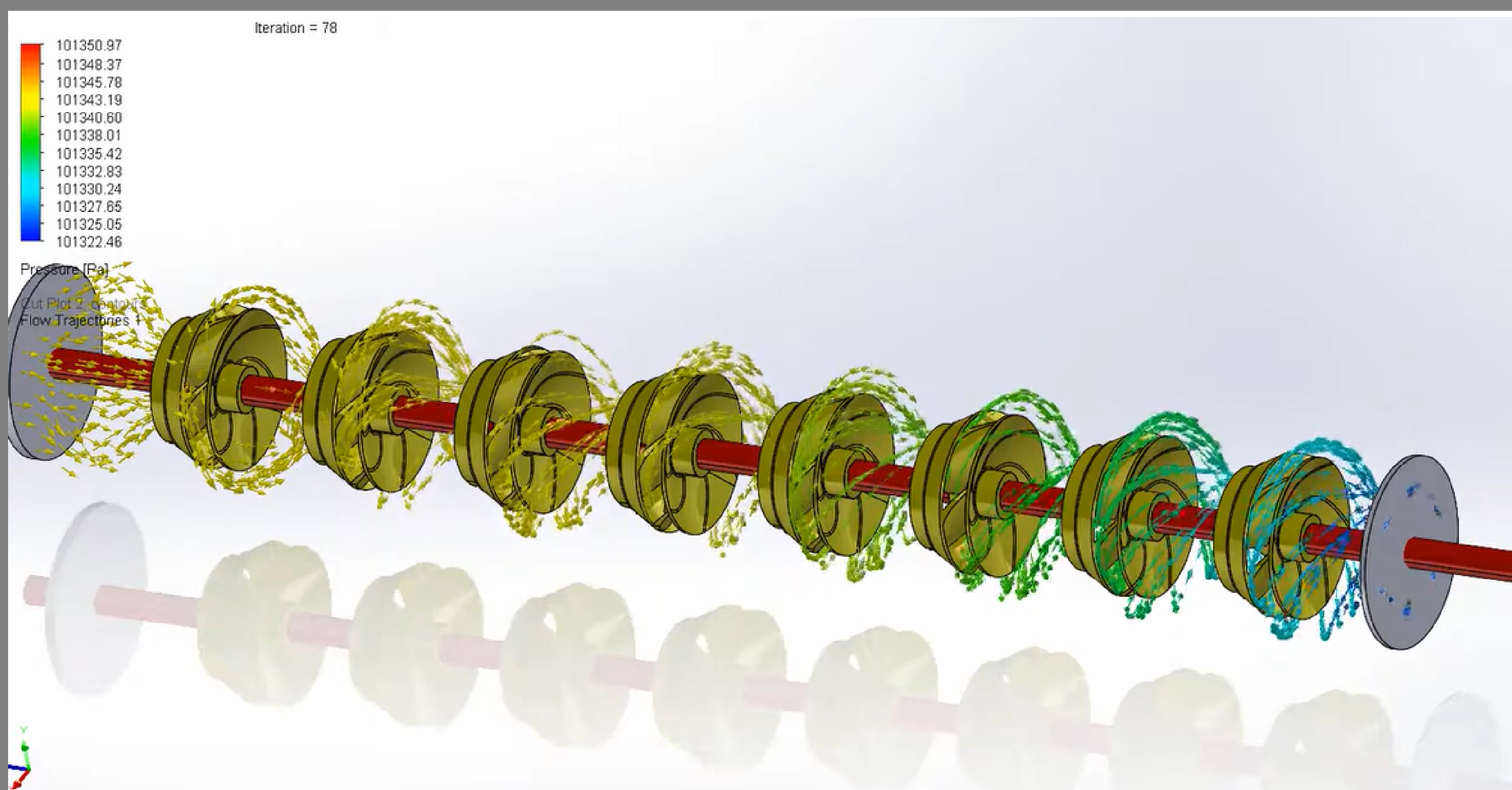
DOUBLE MECHANICAL SEAL

Double mechanical seals are designed to ensure maximum sealing safety. These seals virtually eliminate leakage of the fluid being handled in pumps. Made by SiC, Carbon, Cement Carbide and special requires.



Designed and Engineered for Optimum Efficiency and Reliability with CFD

Wings is proud to be both designer, engineer and provider of water solutions. This is what gives us the ability to cooperate closely with the client and deliver results that fit their requirements, demands and needs. Besides engineering for our own projects, we can also offer design and engineering services to third parties. This way we are able to help all side involved to further develop water solutions that benefit businesses and the community.



SMART PROTECTION TECHNOLOGY WITH SENSOR MONITORING

Winding Temperature measurement component (Optional)

For stator coil over-Temperature protection with PT100 in Phase A, Phase B and Phase C

Water leakage float switch in Junction box (Optional)

When the junction box leaks, the float switch state will switch and the resistance R is approximately equal to 0

Water leakage float switch in motor (Optional)

In case of leakage in motor cavity, the float switch state will switch and the resistance R is approximately equal to 0

Water leakage electrode in Oil chamber (Optional)

When water enters oil and reaches 10%, The resistance of oil and water mixed liquor will be less than 33kΩ

Bearing Temperature sensor in forward direction (Optional)

The manifold block temperature measurement component PT100 send out directly proportional milliampere-level electric quantity signal

Vibration monitoring sensor (Optional)

Sensors that monitor the level of vibration

Moisture Detector in Stator Housing (Optional)

Detects levels of moisture



Non-Return valve (discharge), casted and robust design

Pump bowl, casted and robust design

Highly wear-resistant journal bearings

Pump impeller, casted and keyed design

Pump shaft

Suction casing

Submersible motor

- Highly efficient motors and pump hydraulics
- Maintenance free and reliable
- Continuous operation proofed
- Improved life cycle cost
- Available with PMM motor technology
- Drinking water safe
- Space-saving installation in wells
- Explosion proof
- Safe from flooding and freezing
- Low noise and low vibration
- Broad grades of materials like cast iron, bronze, stainless steel 316
- Installation accessories available

MATERIAL



DESIGNED FOR RELIABILITY H LONGER LIFETIME

- The pump bowls are made of durable, robust, and wear-resistant grey cast iron or stainless steel investment casting (not sheet metal).
- Pump impellers made of highly durable, wear-resistant injection-molded resin or stainless steel investment casting (not sheet metal).
- Durable and wear-resistant radial bearings made of a proprietary material.
- Stainless-steel 304 quality or higher (Cr-Ni-Mo-steel).

REDUCTION OF SERVICE COSTS H EASY TO INSTALL AND MAINTAIN

- Pump bowls with flange bolting (instead of screwed housing).
- Only positive connections (feather key) of impeller and pump shaft, no friction connections like clamp sleeves.

SIMPLIFIED PRODUCT LINE H EASIER INVENTORY AND MAINTENANCE

- The new PL06 and PL08 pumps are replacing the previous five models of the 6" range (PN6 and QN6) and the seven models of the 8" range (PN8, QN8, and QT8 pumps).
- Reduction to three material types.

Materials

Components		
Pump	External jacket	AISI 304
	Stage casing	AISI 304
	Diffuser	AISI 304
	Impeller	AISI 304
	Wear ring	AISI 304
	Shaft	AISI 431
	Bearing bush	Rubber
	Strainer	AISI 304
	Screws	AISI 304
Components		
Motor	External frame	AISI 304
	Shaft	AISI 304
	Thrust bearing	Oscillation pads
	Bearing bush	Graphite

SOLAR HYBRID SUBMERSIBLE BOREHOLE PUMP

Applications

4/6" or bigger size wells

4/6USH (SS impeller) solar submersible are high quality products, designed for drinking water supply, live stock, watering and irrigation applications. 4/6USH systems deliver water economically, cleanly and reliably, anywhere.

Benifits

Permanent magnet brushless DC/AC hybrid submersible pump

Excellent efficiency with MPPT, starts earlier and finishes later

All-round protection function offers satisfied user experience

High quality materials guarantee longer working life

Multi LED display for simple operation

Welcoming you as our customer to use pump sizing tools freely



pick it up

ready to go,
system in a box



plug it in

easy wiring, save time,
solve your problem



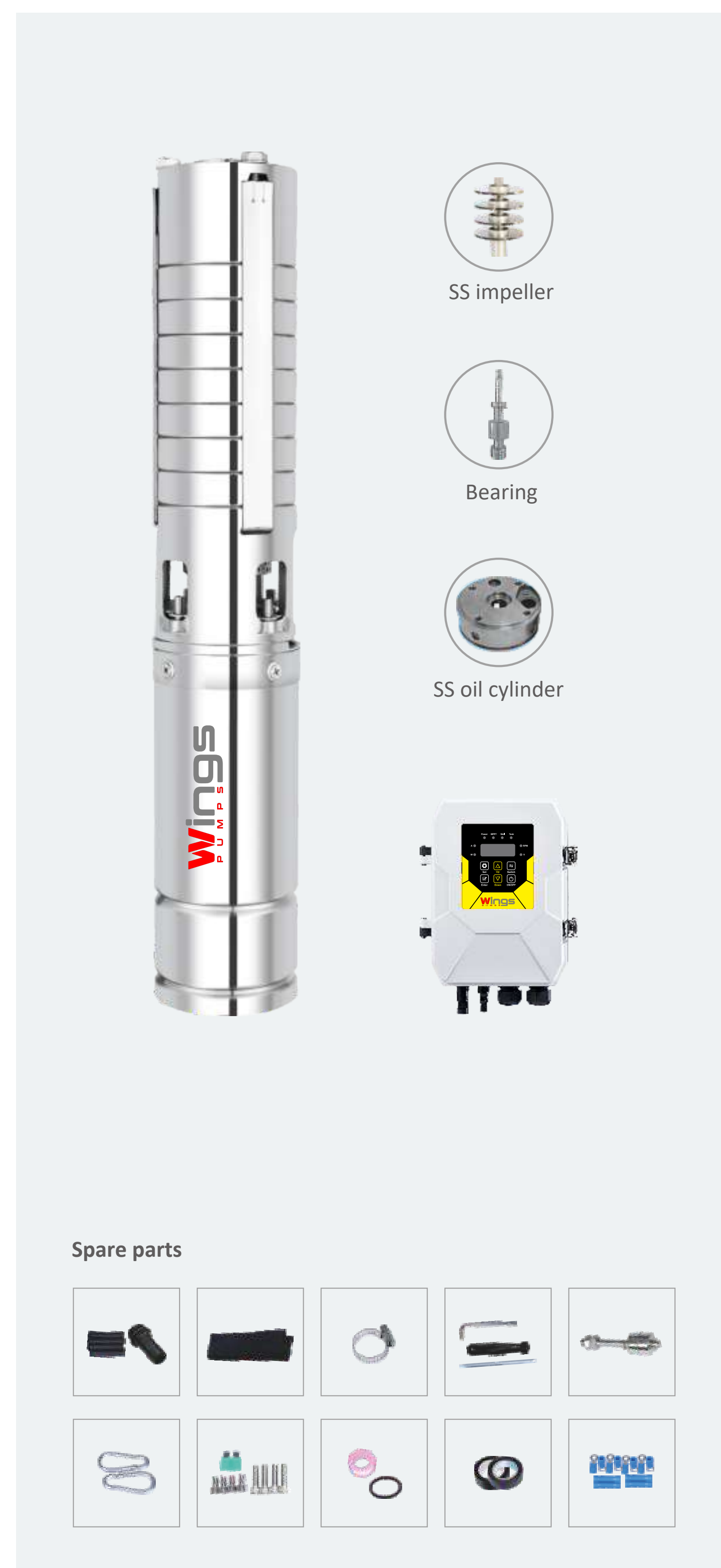
pump water

from any source:
pond, stream, well



Performance Curve

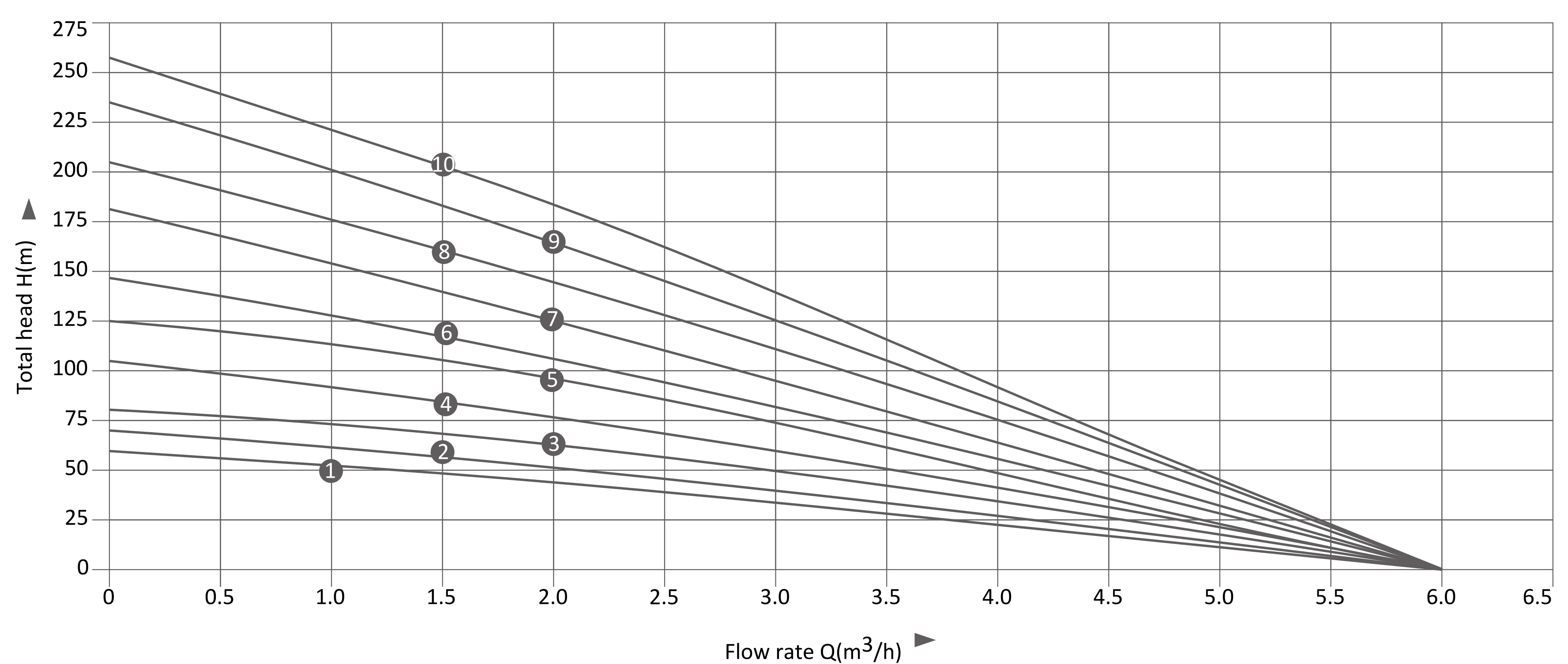
4USH DC/AC WELL PUMP STAINLESS STEEL IMPELLER



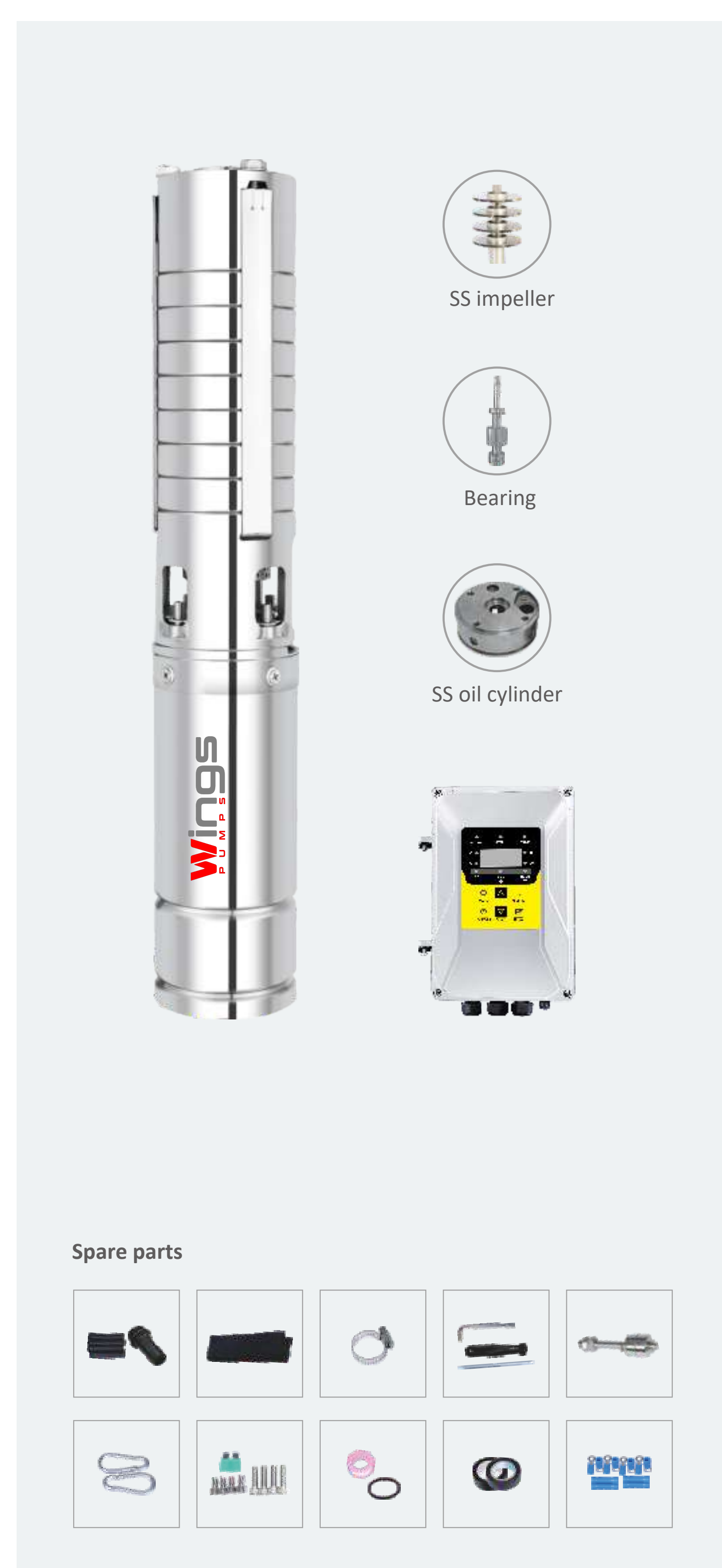
TECHNICAL DATA

Model	Power (W)	AC Vol. (V)	DC Vol. (V)	Best VMP (V)	PV Panel Power	Q.Rated (m3/h)	Q.Max (m3/h)	H.Rated (m)	H.Max (M)	Outlet (Inch)
① 4WGSP650-60/6E	650	90-300	90-430	110-430	≥1.3*Pump Power	2	6	45	60	1.25"
② 4WGSP750-70/6E	750	90-300	90-430	110-430	≥1.3*Pump Power	2	6	55	70	1.25"
③ 4WGSP900-80/6E	900	90-300	90-430	110-430	≥1.3*Pump Power	2	6	65	80	1.25"
④ 4WGSP1100-105/6F	1100	90-300	90-430	150-430	≥1.3*Pump Power	2	6	85	105	1.25"
⑤ 4WGSP1300-125/6F	1300	90-300	90-430	150-430	≥1.3*Pump Power	2	6	100	125	1.25"
⑥ 4WGSP1300-147/6F	1300	90-300	90-430	150-430	≥1.3*Pump Power	2	6	105	147	1.25"
⑦ 4WGSP1500-182/6G	1500	90-300	90-430	200-430	≥1.3*Pump Power	2	6	110	182	1.25"
⑧ 4WGSP2200-205/6H	2200	90-300	90-430	300-430	≥1.3*Pump Power	2	6	160	205	1.25"
⑨ 4WGSP2200-235/6H	2200	90-300	90-430	300-430	≥1.3*Pump Power	2	6	170	235	1.25"
⑩ 4WGSP2200-257/6H	2200	90-300	90-430	300-430	≥1.3*Pump Power	2	6	180	257	1.25"

PERFORMANCE CURVE



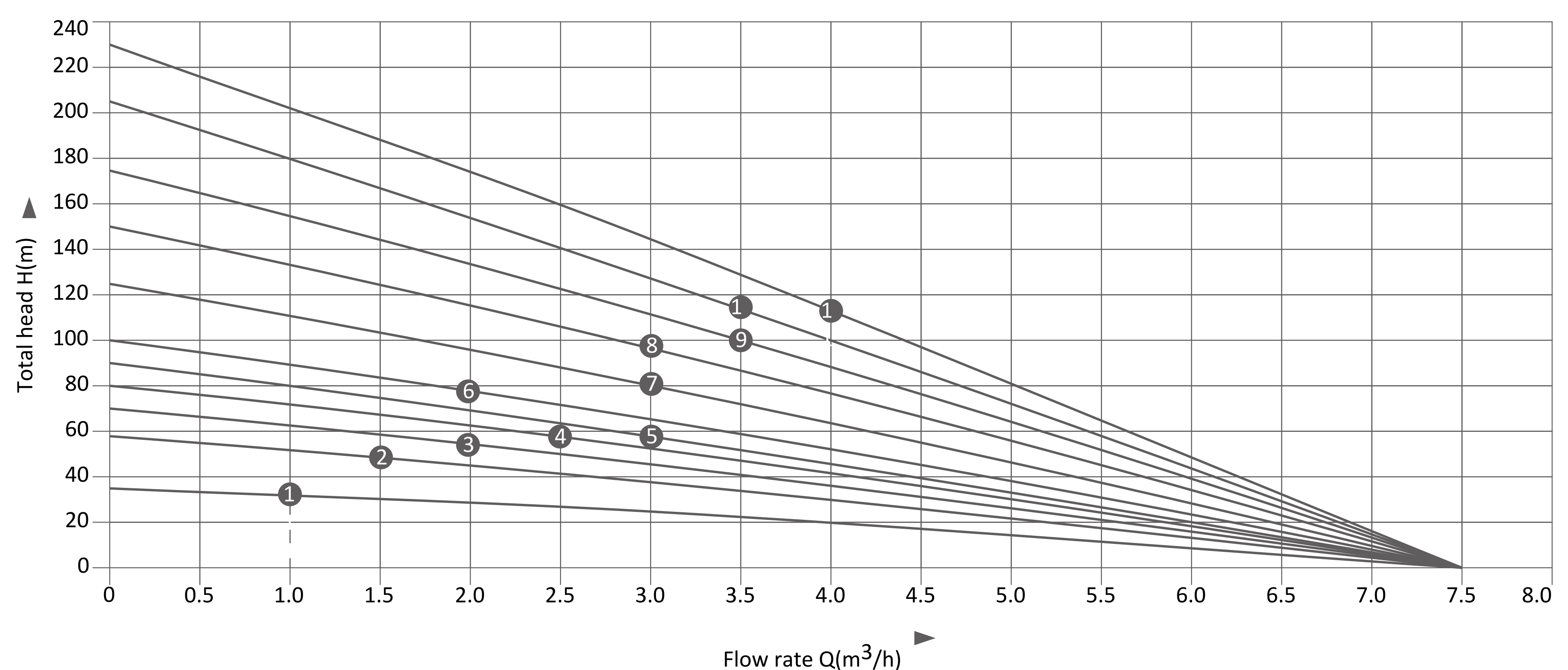
4USH DC/AC WELL PUMP STAINLESS STEEL IMPELLER



TECHNICAL DATA

Model	Power (W)	AC Vol. (V)	DC Vol. (V)	Best VMP (V)	PV Panel Power	Q.Rated (m³/h)	Q.Max (m³/h)	H.Rated (m)	H.Max (M)	Outlet (Inch)
① 4WGSP650-35/7.5E	650	90-300	90-430	110-430	≥1.3*Pump Power	3	7.5	25	35	1.25"
② 4WGSP900-57/7.5E	900	90-300	90-430	110-430	≥1.3*Pump Power	3	7.5	45	57	1.25"
③ 4WGSP1100-70/7.5F	1100	90-300	90-430	150-430	≥1.3*Pump Power	3	7.5	55	70	1.25"
④ 4WGSP1300-80/7.5F	1300	90-300	90-430	150-430	≥1.3*Pump Power	3	7.5	65	80	1.25"
⑤ 4WGSP1300-90/7.5F	1300	90-300	90-430	150-430	≥1.3*Pump Power	3	7.5	75	90	1.25"
⑥ 4WGSP1300-100/7.5F	1300	90-300	90-430	150-430	≥1.3*Pump Power	3	7.5	80	100	1.25"
⑦ 4WGSP1500-125/7.5G	2200	90-300	90-430	200-430	≥1.3*Pump Power	3	7.5	85	125	1.25"
⑧ 4WGSP2200-150/7.5H	2200	90-300	90-430	300-430	≥1.3*Pump Power	3	7.5	115	150	1.25"
⑨ 4WGSP2200-175/7.5H	2200	90-300	90-430	300-430	≥1.3*Pump Power	3	7.5	135	175	1.25"
⑩ 4WGSP2200-205/7.5H	2200	90-300	90-430	300-430	≥1.3*Pump Power	3	7.5	140	205	1.25"
⑪ 4WGSP2200-230/7.5H	2200	90-300	90-430	300-430	≥1.3*Pump Power	3	7.5	145	230	1.25"

PERFORMANCE CURVE



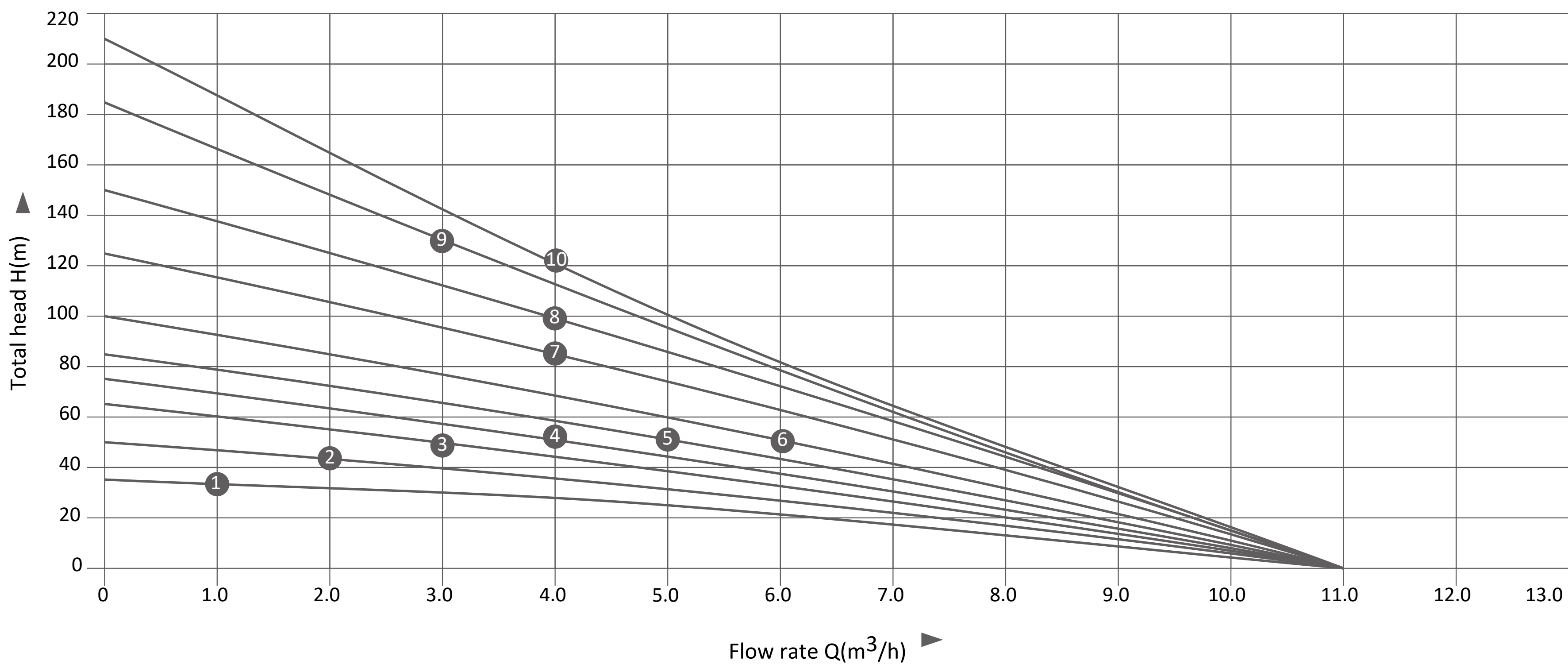
4USH DC/AC WELL PUMP
STAINLESS STEEL IMPELLER



TECHNICAL DATA

Model	Power	AC Vol. (V)	DC Vol. (V)	Best VMP (V)	PV Panel Power	Q.Rated (m ³ /h)	Q.Max (m ³ /h)	H.Rated (m)	H.Max (M)	Outlet (Inch)
① 4WGSP900-35/11E	900	90-300	90-430	110-430	≥1.3*Pump Power	5	11	25	35	2"
② 4WGSP1100-50/11F	1100	90-300	90-430	150-430	≥1.3*Pump Power	5	11	35	50	2"
③ 4WGSP1300-65/11F	1300	90-300	90-430	150-430	≥1.3*Pump Power	5	11	45	65	2"
④ 4WGSP1500-75/11G	1500	90-300	90-430	200-430	≥1.3*Pump Power	5	11	50	75	2"
⑤ 4WGSP1500-85/11G	1500	90-300	90-430	200-430	≥1.3*Pump Power	5	11	55	85	2"
⑥ 4WGSP1500-100/11G	1500	90-300	90-430	200-430	≥1.3*Pump Power	5	11	60	100	2"
⑦ 4WGSP2200-125/11H	2200	90-300	90-430	300-430	≥1.3*Pump Power	5	11	80	125	2"
⑧ 4WGSP2200-150/11H	2200	90-300	90-430	300-430	≥1.3*Pump Power	5	11	90	150	2"
⑨ 4WGSP2200-185/11H	2200	90-300	90-430	300-430	≥1.3*Pump Power	5	11	95	185	2"
⑩ 4WGSP2200-210/11H	2200	90-300	90-430	300-430	≥1.3*Pump Power	5	11	100	210	2"

PERFORMANCE CURVE



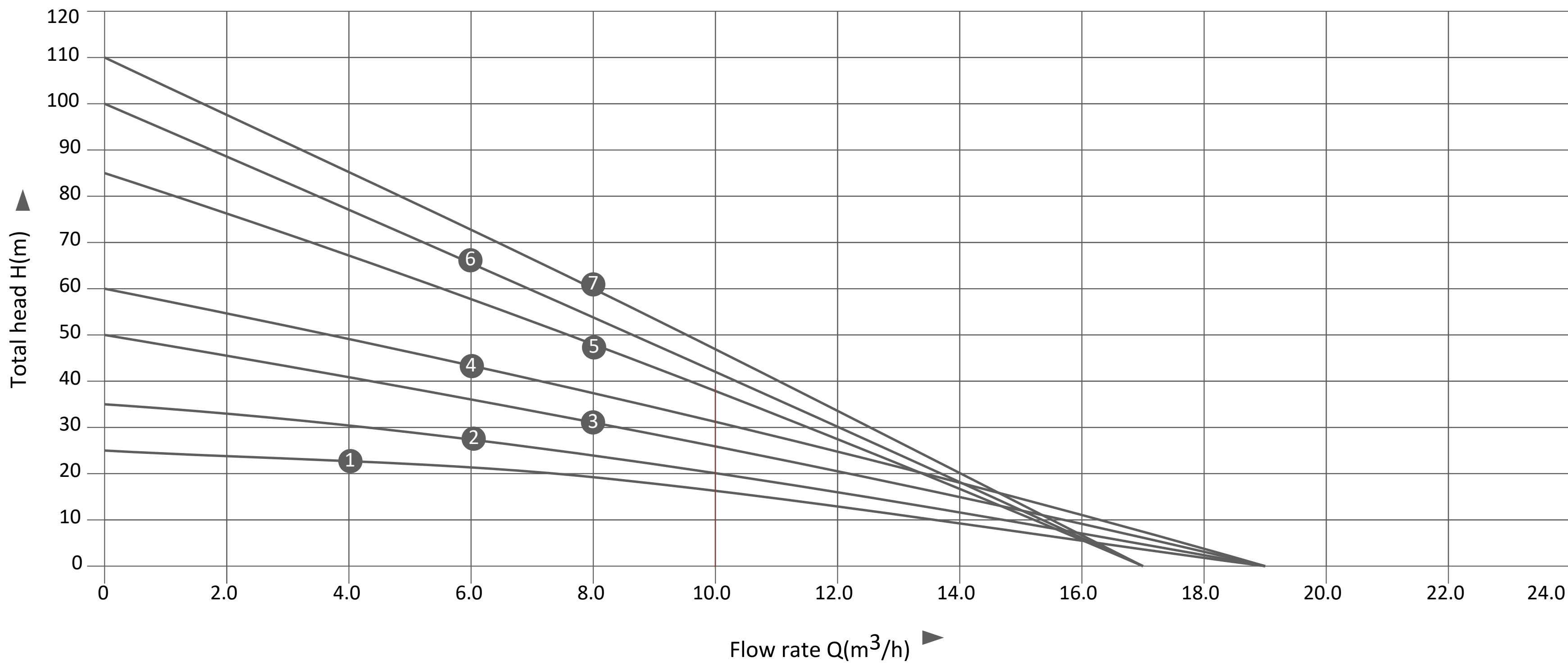
4USH DC/AC WELL PUMP
STAINLESS STEEL IMPELLER



TECHNICAL DATA

Model	Power (W)	AC Vol. (V)	DC Vol. (V)	Best VMP (V)	PV Panel Power	Q.Rated (m ³ /h)	Q.Max (m ³ /h)	H.Rated (m)	H.Max (M)	Outlet (Inch)
① 4WGSP900-25/19E	900	90-300	90-430	110-430	≥1.3*Pump Power	8	19	20	25	2"
② 4WGSP1300-35/19F	1300	90-300	90-430	150-430	≥1.3*Pump Power	8	19	25	35	2"
③ 4WGSP1500-50/19G	1500	90-300	90-430	200-430	≥1.3*Pump Power	8	19	30	50	2"
④ 4WGSP2200-60/19H	2200	90-300	90-430	300-430	≥1.3*Pump Power	8	19	45	60	2"
⑤ 4WGSP2200-85/17H	2200	90-300	90-430	300-430	≥1.3*Pump Power	8	17	50	80	2"
⑥ 4WGSP2200-100/17H	2200	90-300	90-430	300-430	≥1.3*Pump Power	8	17	55	90	2"
⑦ 4WGSP2200-110/17H	2200	90-300	90-430	300-430	≥1.3*Pump Power	8	17	60	100	2"

PERFORMANCE CURVE



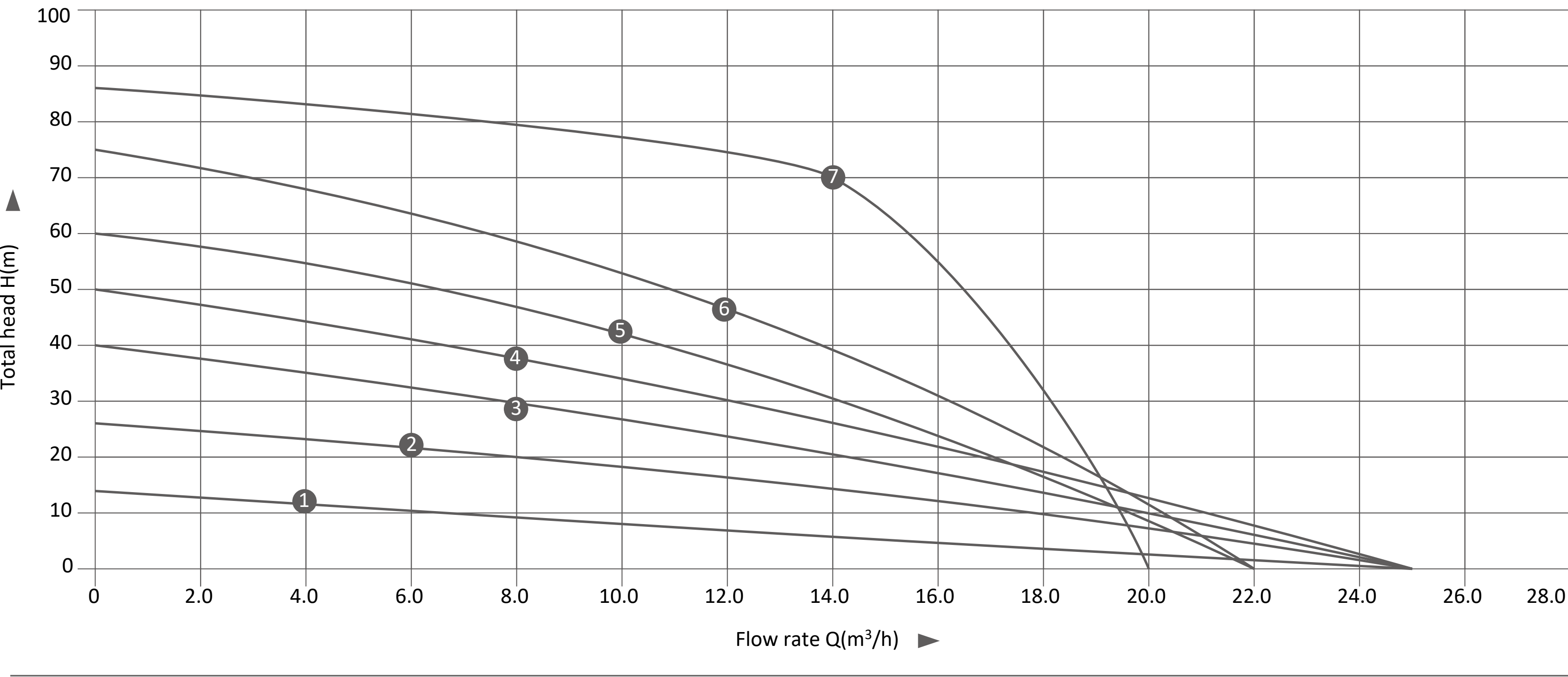
4USH DC/AC WELL PUMP
STAINLESS STEEL IMPELLER



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Model	Power (W)	AC Vol. (V)	DC Vol. (V)	Best VMP (V)	PV Panel Power	Q.Rated (m³/h)	Q.Max (m³/h)	H.Rated (m)	H.Max (M)	Outlet (Inch)
1 4WGSP1100-13/25F	1100	90-300	90-430	150-430	≥1.3*Pump Power	14	25	6	13	2"
2 4WGSP1500-26/25G	1500	90-300	90-430	200-430	≥1.3*Pump Power	14	25	20	26	2"
3 4WGSP2200-40/25H	2200	90-300	90-430	300-430	≥1.3*Pump Power	14	25	30	40	2"
4 4WGSP2200-50/25H	2200	90-300	90-430	300-430	≥1.3*Pump Power	14	25	40	50	2"
5 4WGSP2200-60/22H	2200	90-300	90-430	300-430	≥1.3*Pump Power	14	22	50	60	2"
6 4WGSP2200-75/22H	2200	90-300	90-430	300-430	≥1.3*Pump Power	14	22	60	75	2"
7 4WGSP2200-87/20H	2200	90-300	90-430	300-430	≥1.3*Pump Power	14	20	70	87	2"

PERFORMANCE CURVE



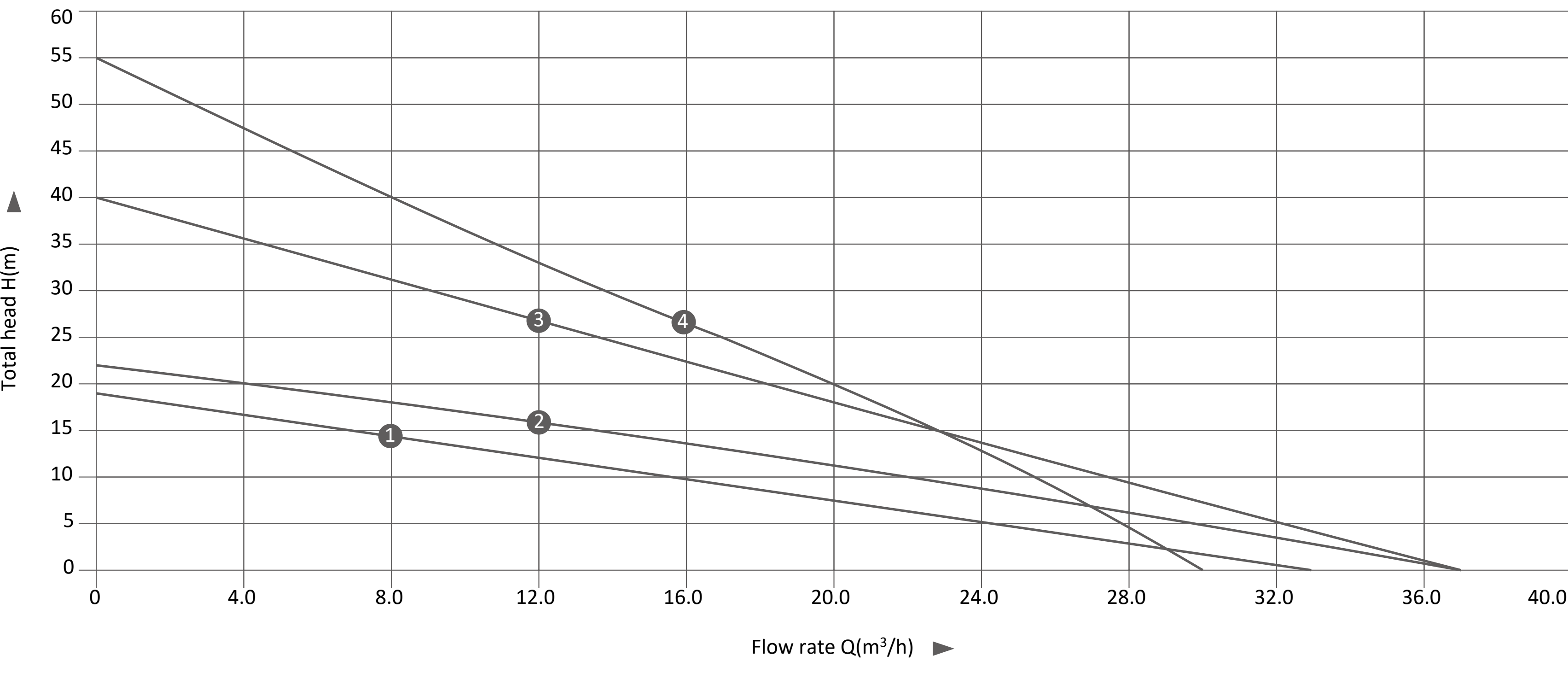
6USH DC/AC WELL PUMP
STAINLESS STEEL IMPELLER



TECHNICAL DATA

Model	Power (W)	AC Vol. (V)	DC Vol. (V)	Best VMP (V)	PV Panel Power	Q.Rated (m³/h)	Q.Max (m³/h)	H.Rated (m)	H.Max (M)	Outlet (Inch)
1 6WGSP1100-19/33F	1100	90-300	90-430	150-430	≥1.3*Pump Power	17	33	13	19	3"
2 6WGSP1500-22/37G	1500	90-300	90-430	200-430	≥1.3*Pump Power	17	37	16	22	3"
3 6WGSP2200-40/37H	2200	90-300	90-430	300-430	≥1.3*Pump Power	17	37	25	40	3"
4 6WGSP2200-55/30H	2200	90-300	90-430	300-430	≥1.3*Pump Power	17	33	29	55	3"

PERFORMANCE CURVE



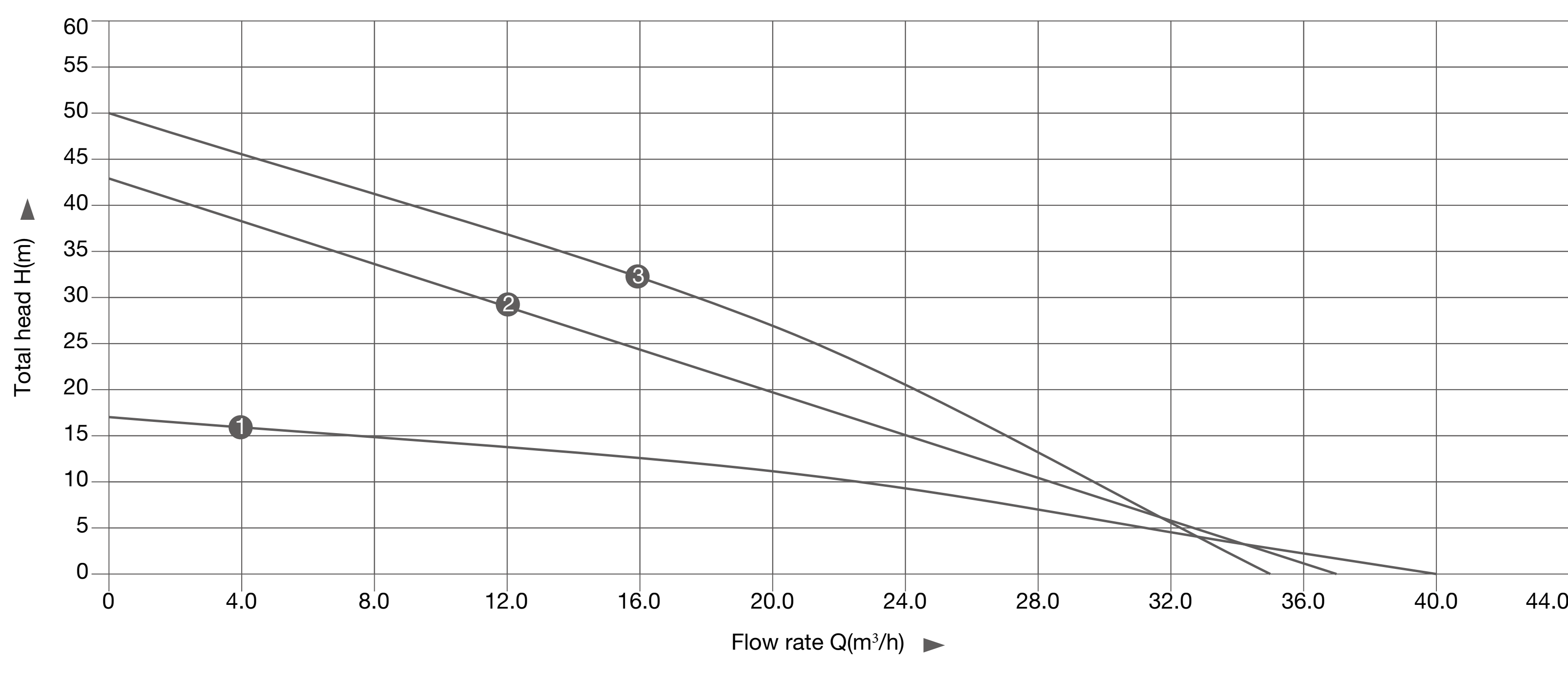
6USH DC/AC WELL PUMP STAINLESS STEEL IMPELLER



TECHNICAL DATA

Model	Power (W)	AC Vol. (V)	DC Vol. (V)	Best VMP (V)	PV Panel Power	Q.Rated (m³/h)	Q.Max (m³/h)	H.Rated (m)	H.Max (M)	Outlet (Inch)
❶ 6WGSP1500-17/40G	1500	90-300	90-430	200-430	> 1.3*Pump Power	20	40	16	24	3"
❷ 6WGSP2200-43/37H	2200	90-300	90-430	300-430	> 1.3*Pump Power	20	37	23	43	3"
❸ 6WGSP2200-50/35H	2200	90-300	90-430	300-430	> 1.3*Pump Power	20	35	27	50	3"

PERFORMANCE CURVE



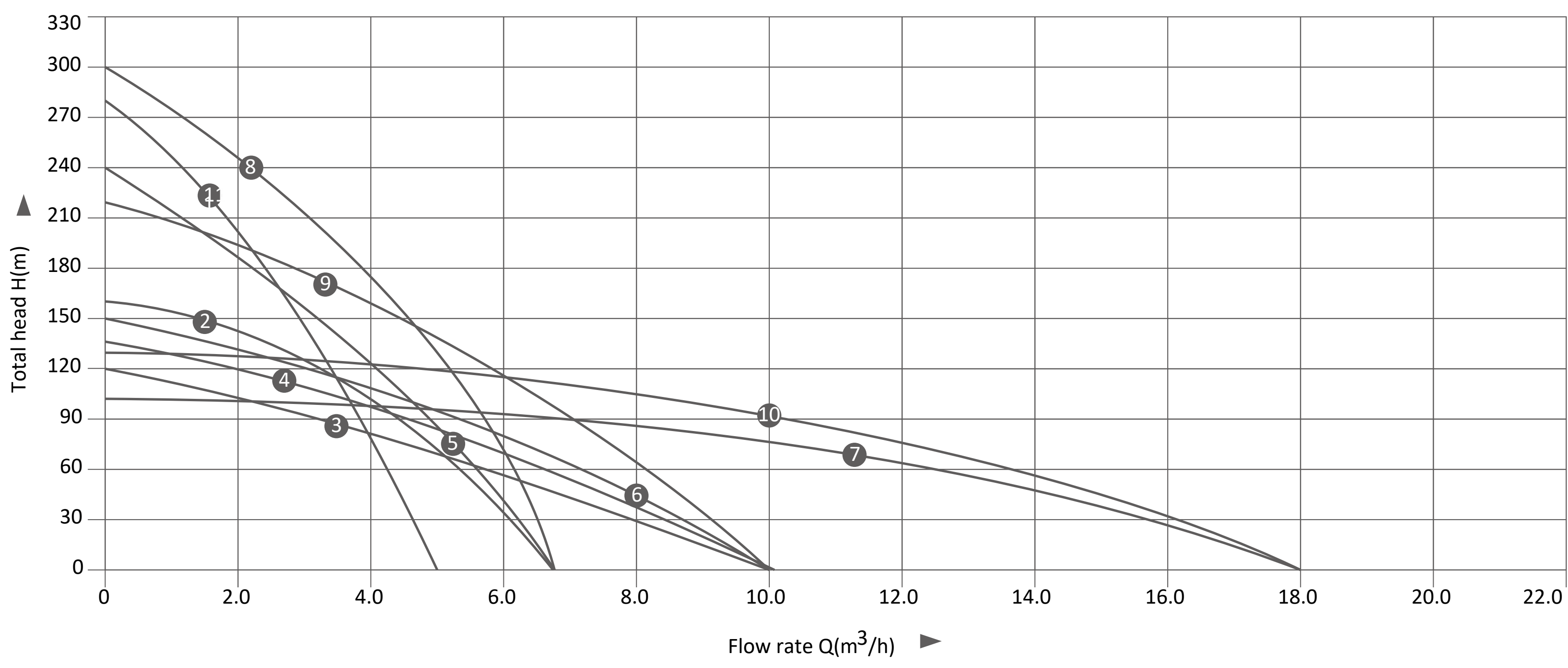
4USH DC/AC WELL PUMP STAINLESS STEEL IMPELLER



TECHNICAL DATA

Model	Power (W)	AC Vol. (V)	DC Vol. (V)	Best VMP (V)	PV Panel Power	Q.Rated (m³/h)	Q.Max (m³/h)	H.Rated (m)	H.Max (M)	Outlet (Inch)
❶ 4WGSP3000-280/5I	3000	330-420	200-750	500-750	≥1.3*Pump Power	4	5	180	280	1.25"
❷ 4WGSP3000-160/6.8I	3000	330-420	200-750	500-750	≥1.3*Pump Power	8	6.8	140	160	1.25"
❸ 4WGSP3000-120/10I	3000	330-420	200-750	500-750	≥1.3*Pump Power	7	10	80	120	1.5"
❹ 4WGSP3000-136/10.2I	3000	330-420	200-750	500-750	≥1.3*Pump Power	7	10.2	90	136	1.5"
❺ 4WGSP4000-240/6.8I	4000	330-420	200-750	500-750	≥1.3*Pump Power	4	6.8	180	240	1.25"
❻ 4WGSP4000-150/10I	4000	330-420	200-750	500-750	≥1.3*Pump Power	7	10	115	150	1.5"
❼ 4WGSP4000-105/18I	4000	330-420	200-750	500-750	≥1.3*Pump Power	10	18	75	105	2"
❽ 4WGSP5500-300/6.8I	5500	330-420	200-750	500-750	≥1.3*Pump Power	4	6.8	240	300	1.25"
❾ 4WGSP5500-220/10I	5500	330-420	200-750	500-750	≥1.3*Pump Power	7	10	150	220	1.5"
❿ 4WGSP5500-130/18I	5500	330-420	200-750	500-750	≥1.3*Pump Power	10	18	100	130	2"

PERFORMANCE CURVE



6/8/10SCSH DC/AC HYBRID SUBMERSIBLE PUMP

Applications

designed for drinking water supply, live stock, watering and irrigation applications.
6/8/10SCSH systems deliver water
6/8/10" or bigger size wells
6/8/10SCSH (SS impeller) solar submersible are high quality products,
economically, cleanly and reliably, anywhere.

Benifits

Water cooling motor,no risk pollution to drink water
Excellent efficiency with MPPT,starts earlier and finishes later
All-round protection function offers satisfied user experience
High quality materials guarantee longer working life
Multi LED display for simple operation
Welcoming you as our customer to use pump sizing tools freely



pick it up

ready to go,
system in a box



plug it in

easy wiring, save time,
solve your problem



pump water

from any source:
pond, stream, well



6SCSH SOLAR HYBRID AC/DC PUMP

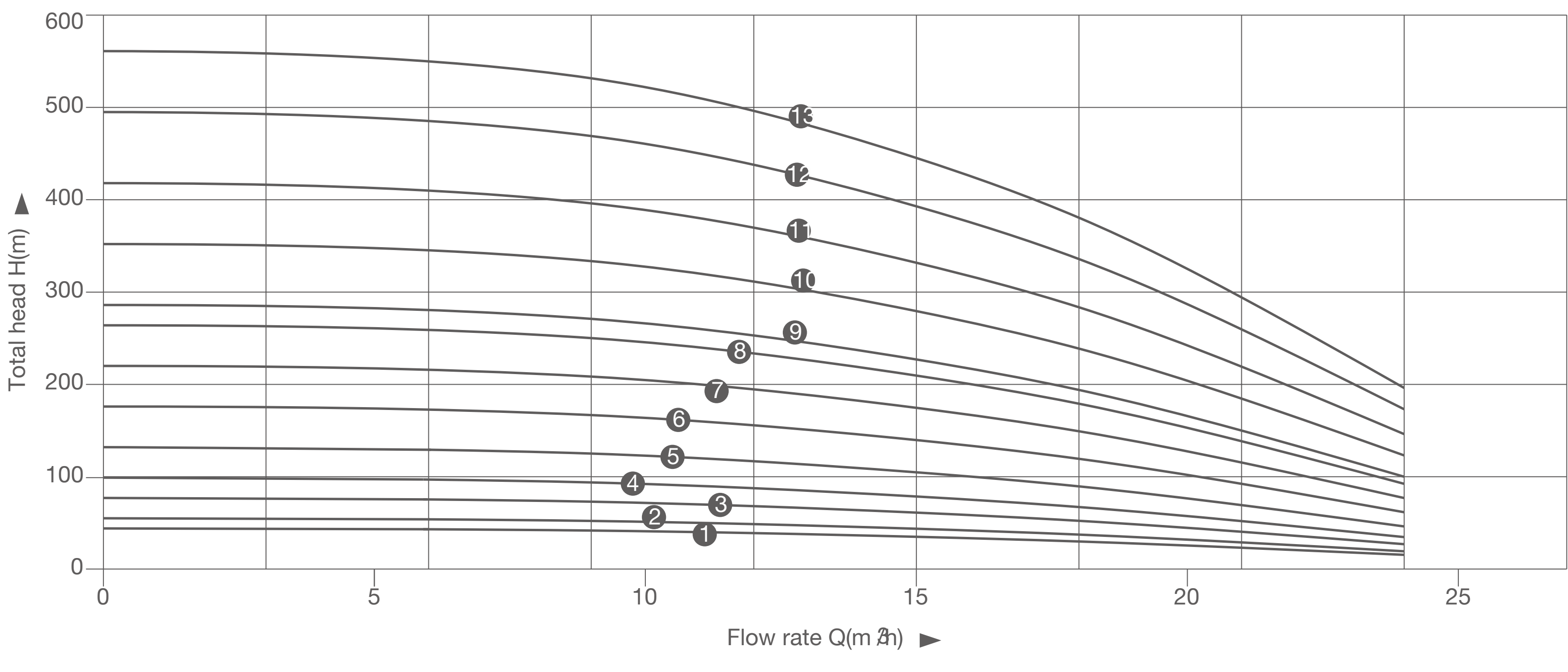


DC/AC Hybrid
Controller

TECHNICAL DATA

Model	Power	AC	DC	VMP	Q	m³/h	0	3	6	9	12	15	18	21	24	Outlet
	KW	(V)	(V)	(V)		l/min	0	50	100	150	200	250	300	350	400	(Inch)
① 6WGSP17/4-2.2	2.2	220	311	360-430			44	44	43	42	39	35	29	23	15	3"
② 6WGSP17/5-3	3	380	540	620-750			55	55	54	52	49	44	40	29	19	3"
③ 6WGSP17/7-4	4	380	540	620-750			77	77	75	73	68	61	52	40	27	3"
④ 6WGSP17/9-5.5	5.5	380	540	620-750			99	99	97	94	88	79	67	52	35	3"
⑤ 6WGSP17/12-7.5	7.5	380	540	620-750			132	132	129	125	117	105	90	69	46	3"
⑥ 6WGSP17/16-9.2	9.2	380	540	620-750			176	175	172	167	156	140	120	92	61	3"
⑦ 6WGSP17/20-11	11	380	540	620-750	H(M)	220	219	215	209	195	175	149	115	77	3"	
⑧ 6WGSP17/24-13	13	380	540	620-750		264	263	258	250	233	209	179	138	92	3"	
⑨ 6WGSP17/26-15	15	380	540	620-750		286	285	280	271	253	227	194	150	100	3"	
⑩ 6WGSP17/32-18.5	18.5	380	540	620-750		352	351	344	334	311	279	239	184	123	3"	
⑪ 6WGSP17/38-22	22	380	540	620-750		418	417	409	396	370	332	284	219	146	3"	
⑫ 6WGSP17/45-26	26	380	540	620-750		495	493	484	469	438	393	336	259	173	3"	
⑬ 6WGSP17/51-30	30	380	540	620-750		561	559	549	532	496	445	381	294	196	3"	

PERFORMANCE CURVE



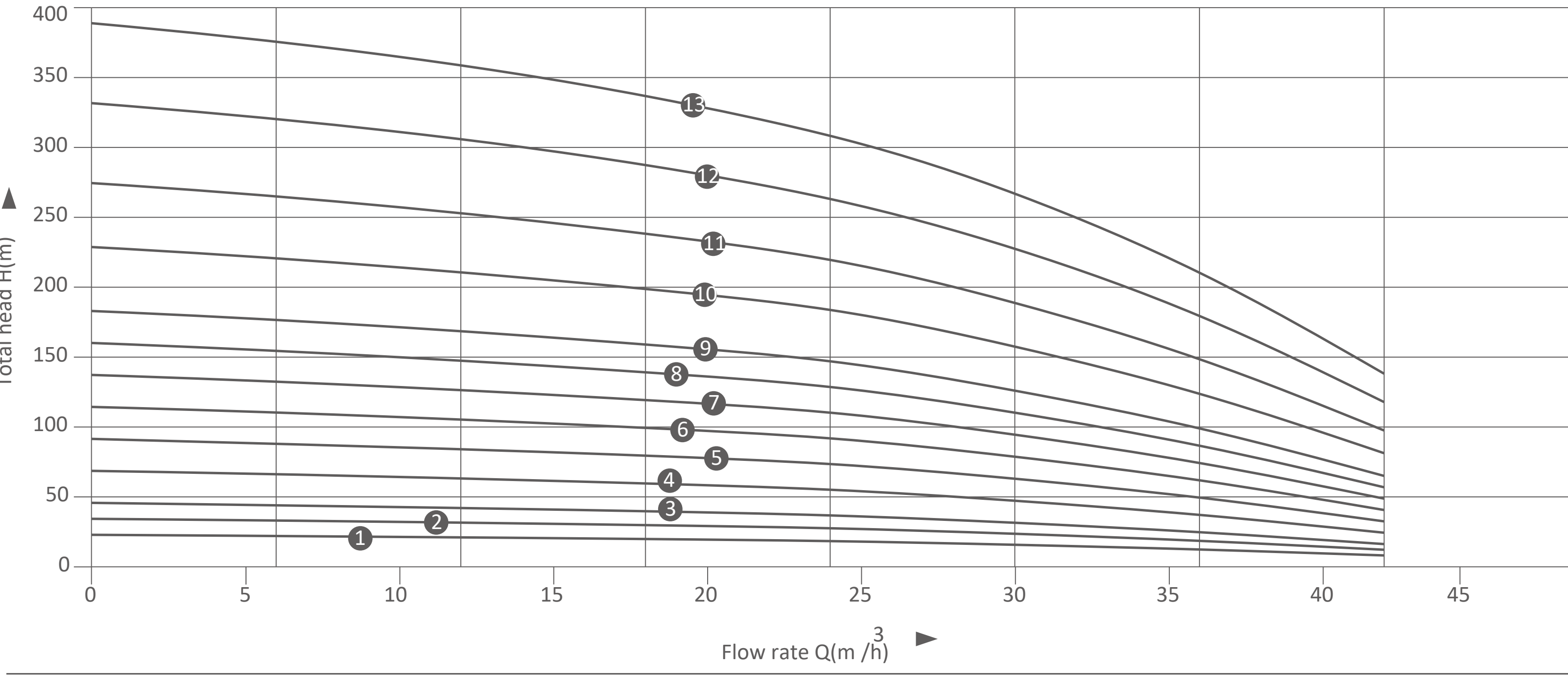
6SCSH SOLAR HYBRID
AC/DC PUMP



TECHNICAL DATA

Model	Power	AC	DC	VMP	Q	m³/h	0	6	12	18	24	30	36	42	Outlet
	KW	(V)	(V)	(V)		l/min	0	100	200	300	400	500	600	700	
❶ 6WGSP30/2-2.2	2.2	220	311	360-430			23	22	21	20	18	16	12	8	3"
❷ 6WGSP30/3-3	3	380	540	620-750			34	33	32	30	28	24	19	12	3"
❸ 6WGSP30/4-4	4	380	540	620-750			46	44	42	40	37	32	25	16	3"
❹ 6WGSP30/6-5.5	5.5	380	540	620-750			69	66	63	60	55	47	37	24	3"
❺ 6WGSP30/8-7.5	7.5	380	540	620-750			92	89	85	80	74	63	50	33	3"
❻ 6WGSP30/10-9.2	9.2	380	540	620-750			114	111	106	99	92	79	62	41	3"
❼ 6WGSP30/12-11	11	380	540	620-750	H(M)		137	133	127	119	110	95	74	49	3"
❽ 6WGSP30/14-13	13	380	540	620-750			160	155	148	139	129	110	87	57	3"
❾ 6WGSP30/16-15	15	380	540	620-750			183	177	169	159	147	126	99	65	3"
❿ 6WGSP30/20-18.5	18.5	380	540	620-750			229	221	211	199	184	158	124	81	3"
⓫ 6WGSP30/24-22	22	380	540	620-750			275	266	254	239	221	189	149	98	3"
⓬ 6WGSP30/29-26	26	380	540	620-750			332	321	306	288	266	228	179	118	3"
⓭ 6WGSP30/34-30	30	380	540	620-750			389	376	359	338	312	268	210	138	3"

PERFORMANCE CURVE



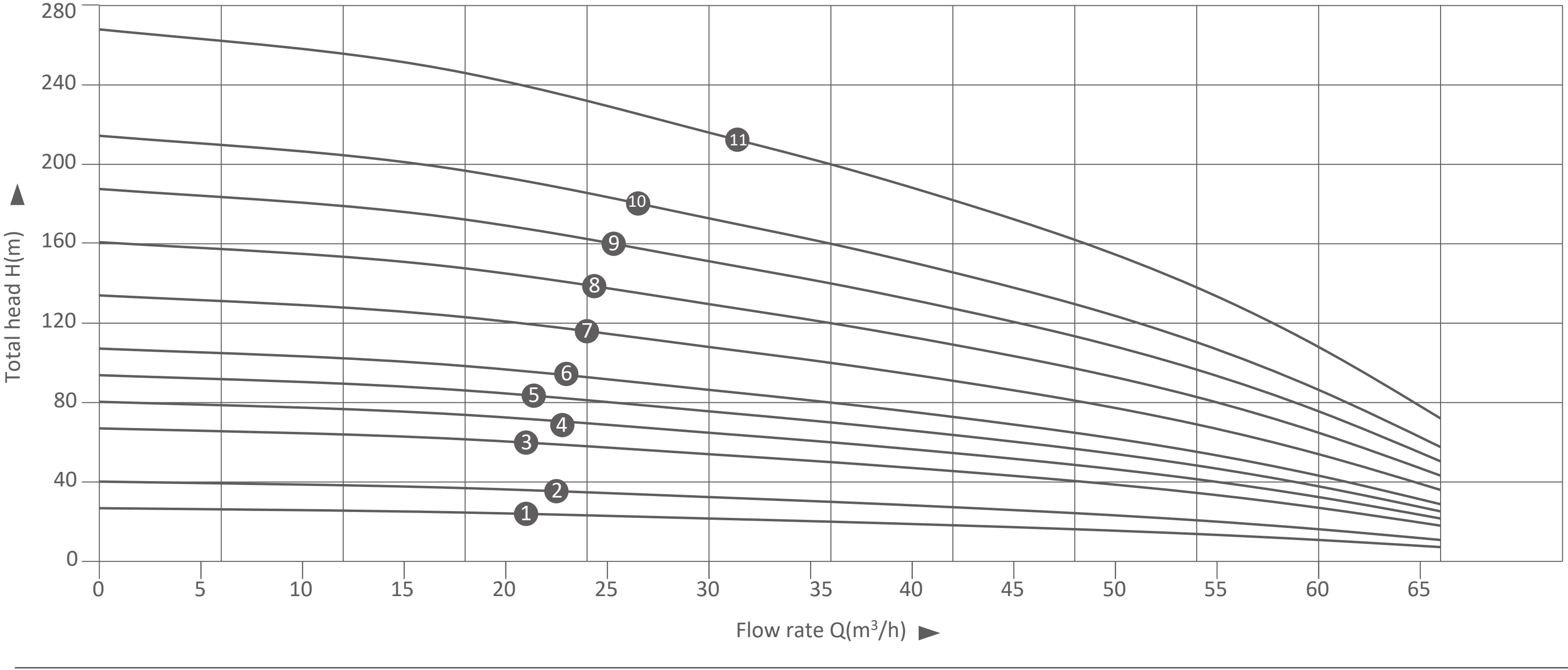
6SCSH SOLAR HYBRID
AC/DC PUMP



TECHNICAL DATA

Model	Power	AC	DC	VMP	Q	m³/h	0	6	12	18	24	30	36	42	48	54	60	61	Outlet
	KW	(V)	(V)	(V)		l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	
❶ 6WGSP46/2-3	3	380	540	620-750			27	26	26	25	23	22	20	18	16	14	11	7	3"
❷ 6WGSP46/3-5.5	5.5	380	540	620-750			40	39	38	37	35	32	30	27	24	21	16	11	3"
❸ 6WGSP46/5-7.5	7.5	380	540	620-750			67	66	64	62	58	54	50	46	41	35	27	18	3"
❹ 6WGSP46/6-9.2	9.2	380	540	620-750			80	79	77	74	70	65	60	55	49	41	32	22	3"
❺ 6WGSP46/7-11	11	380	540	620-750			94	92	90	86	81	76	70	64	57	48	38	25	3"
❻ 6WGSP46/8-13	13	380	540	620-750			107	105	102	98	93	86	80	73	65	55	43	29	3"
❼ 6WGSP46/10-15	15	380	540	620-750	H(M)		134	131	128	123	116	108	100	91	81	69	54	36	3"
❽ 6WGSP46/12-18.5	18.5	380	540	620-750			161	157	154	148	139	130	120	109	97	83	65	43	3"
❾ 6WGSP46/14-22	22	380	540	620-750			188	183	179	172	162	151	140	127	113	97	76	50	3"
❿ 6WGSP46/16-26	26	380	540	620-750			214	210	205	197	186	173	160	146	130	110	86	58	3"
⓫ 6WGSP46/20-30	30	380	540	620-750			268	262	256	246	232	216	200	182	162	138	108	72	3"

PERFORMANCE CURVE



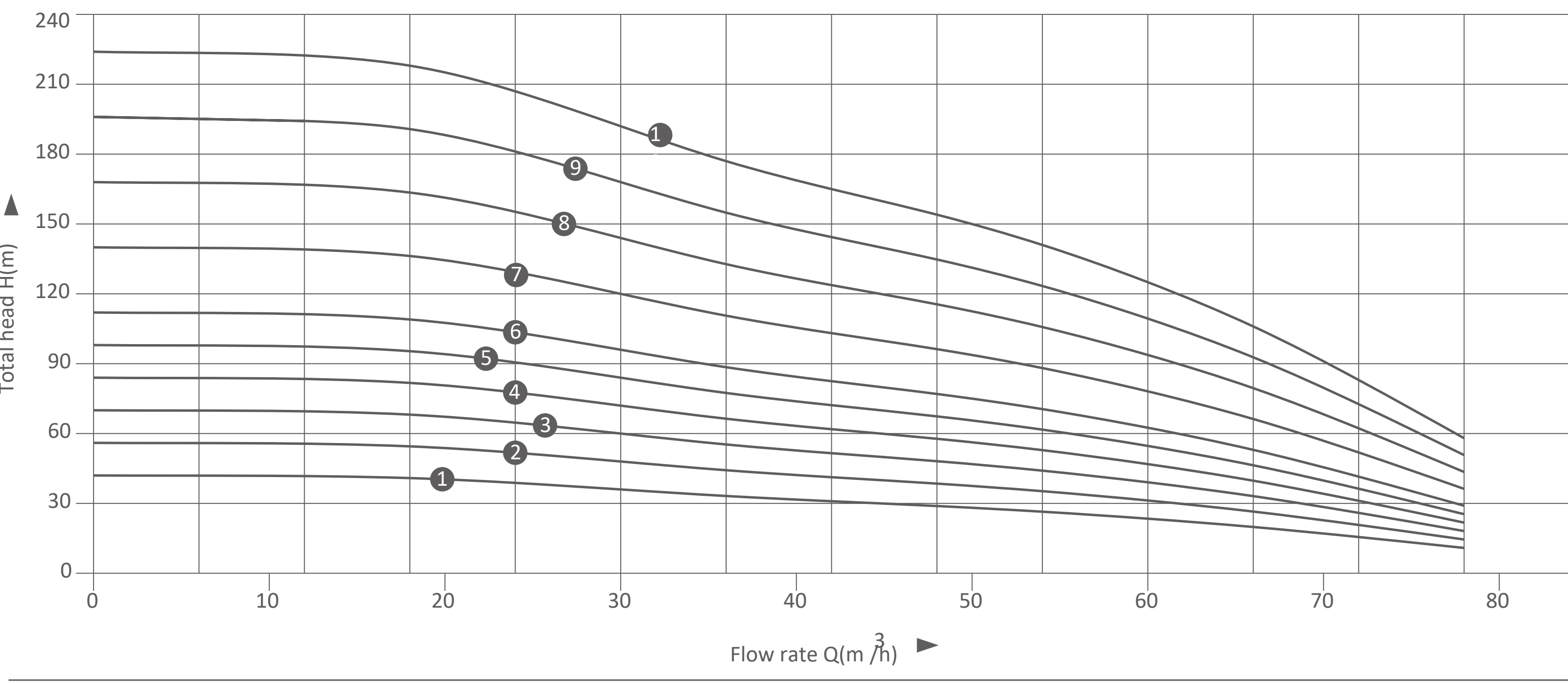
6SCSH SOLAR HYBRID
AC/DC PUMP



TECHNICAL DATA

Model	Power	AC	DC	VMP	Q	m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	78	Outlet
	KW	(V)	(V)	(V)		l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	
❶ 6WGSP60/3-5.5	5.5	380	540	620-750	H(M)	42	42	42	41	39	36	33	31	29	26	23	20	16	11		4"
❷ 6WGSP60/4-7.5	7.5	380	540	620-750		56	56	55	55	52	48	44	41	38	35	31	26	21	15		4"
❸ 6WGSP60/5-9.2	9.2	380	540	620-750		70	70	69	68	65	60	55	52	48	44	39	33	26	18		4"
❹ 6WGSP60/6-11	11	380	540	620-750		84	84	83	82	78	72	66	62	58	53	47	40	31	22		4"
❺ 6WGSP60/7-13	13	380	540	620-750		98	98	97	95	91	84	77	72	67	62	55	46	36	25		4"
❻ 6WGSP60/8-15	15	380	540	620-750		112	112	111	109	104	96	89	83	77	71	63	53	42	29		4"
❼ 6WGSP60/10-18.5	18.5	380	540	620-750		140	139	139	136	129	120	111	103	96	88	78	66	52	36		4"
❽ 6WGSP60/12-22	22	380	540	620-750		168	167	167	164	155	144	133	124	116	106	94	80	62	44		4"
❾ 6WGSP60/14-26	26	380	540	620-750		196	195	194	191	181	168	155	144	135	123	109	93	73	51		4"
❿ 6WGSP60/16-30	30	380	540	620-750		224	223	222	218	207	192	177	165	154	141	125	106	83	58		4"

PERFORMANCE CURVE



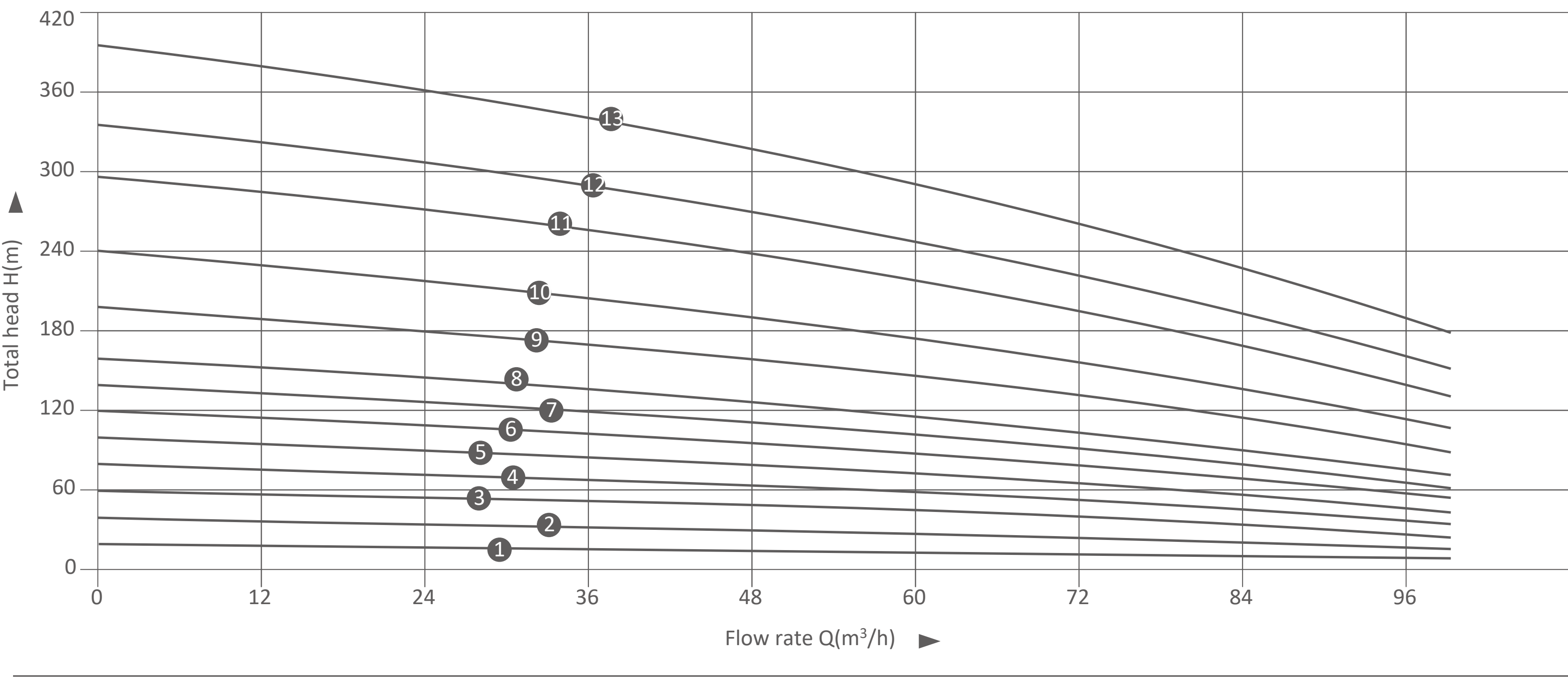
8SCSH SOLAR HYBRID
AC/DC PUMP



TECHNICAL DATA

Model	Power	AC	DC	VMP	Q	m³/h	0	50	60	70	77	90	Outlet
	KW	(V)	(V)	(V)		l/min	0	833	1000	1166	1283	1500	
❶ 8WGSP77/1-5.5	5.5	380	540	620-750	H(M)	20	16	15	14	13	10		5"
❷ 8WGSP77/2-7.5	7.5	380	540	620-750		40	31	30	28	27	21		5"
❸ 8WGSP77/3-11	11	380	540	620-750		59	47	44	42	40	31		5"
❹ 8WGSP77/4-15	15	380	540	620-750		79	63	59	56	53	42		5"
❺ 8WGSP77/5-18.5	18.5	380	540	620-750		99	78	74	70	67	52		5"
❻ 8WGSP77/6-22	22	380	540	620-750		119	94	89	84	850	63		5"
❼ 8WGSP77/7-26	26	380	540	620-750		139	110	104	98	93	73		5"
❽ 8WGSP77/8-30	30	380	540	620-750		159	125	119	112	107	84		5"
❾ 8WGSP77/10-37	37	380	540	620-750		198	157	148	140	133	105		5"
❿ 8WGSP77/12-45	45	380	540	620-750		238	188	178	168	160	126		5"
⓫ 8WGSP77/15-55	55	380	540	620-750		297	235	222	210	200	157		5"
⓬ 8WGSP77/17-63	63	380	540	620-750		337	266	252	238	227	178		5"
⓭ 8WGSP77/20-70	70	380	540	620-750		397	313	297	280	267	210		5"

PERFORMANCE CURVE



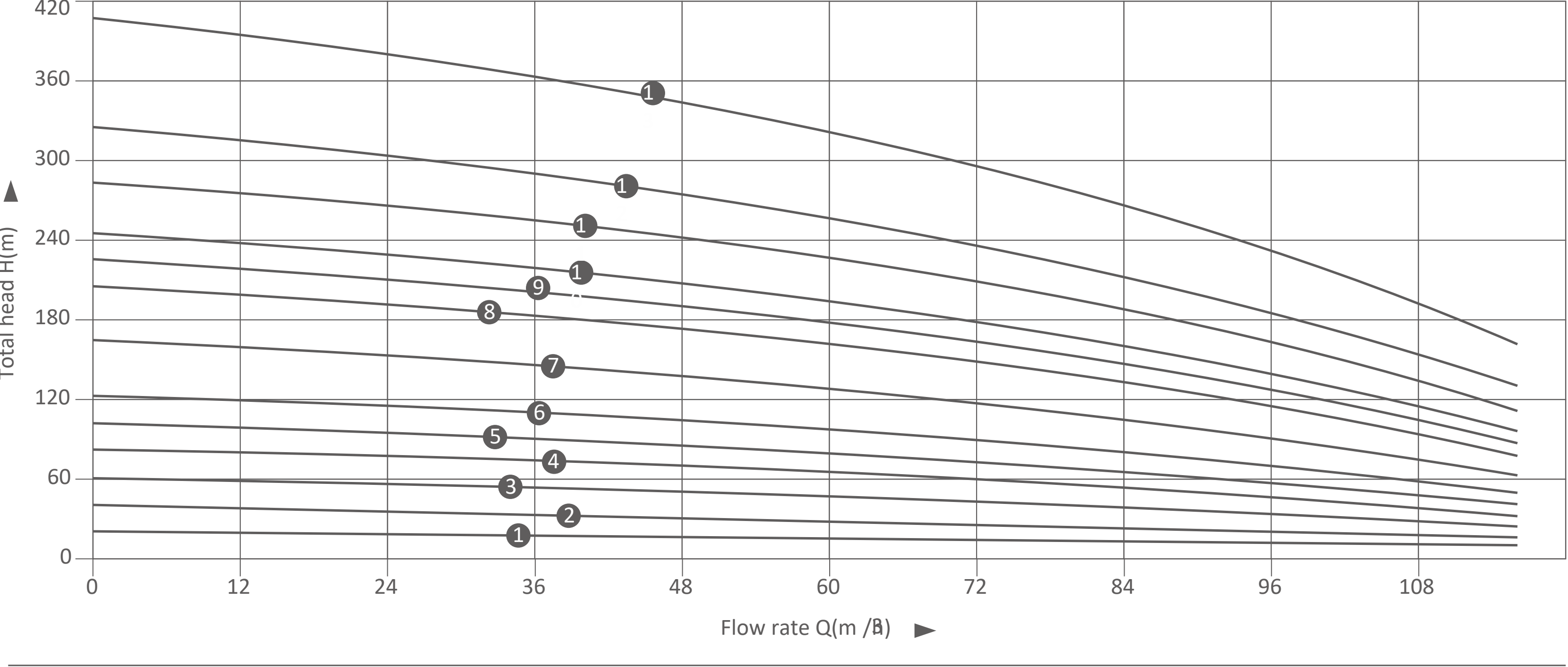
8SCSH SOLAR HYBRID
AC/DC PUMP



TECHNICAL DATA

Model	Power	AC	DC	VMP	Q	m³/h	0	60	80	90	95	100	110	Outlet
	KW	(V)	(V)	(V)		l/min	0	1000	1333	1500	1583	1666	1833	
① 8WGS95/1-5.5	5.5	380	540	620-750			21	16	14	13	12	11	9	5"
② 8WGS95/2-9.2	9.2	380	540	620-750			42	31	28	25	24	22	18	5"
③ 8WGS95/3-13	13	380	540	620-750			61	47	41	38	36	33	28	5"
④ 8WGS95/4-18.5	18.5	380	540	620-750			82	62	55	50	48	45	37	5"
⑤ 8WGS95/5-22	22	380	540	620-750			102	78	69	63	60	56	46	5"
⑥ 8WGS95/6-26	26	380	540	620-750			123	94	83	76	72	67	55	5"
⑦ 8WGS95/8-37	37	380	540	620-750		H(M)	163	124	110	100	96	89	73	5"
⑧ 8WGS95/10-45	45	380	540	620-750			204	155	137	125	120	112	92	5"
⑨ 8WGS95/11-55	55	380	540	620-750			225	172	152	139	132	123	101	5"
⑩ 8WGS95/12-55	55	380	540	620-750			246	187	165	151	144	135	111	5"
⑪ 8WGS95/14-63	63	380	540	620-750			285	218	193	176	168	157	129	5"
⑫ 8WGS95/16-75	75	380	540	620-750			326	249	220	199	193	179	147	5"
⑬ 8WGS95/20-93	93	380	540	620-750			408	312	276	252	240	224	184	5"

PERFORMANCE CURVE



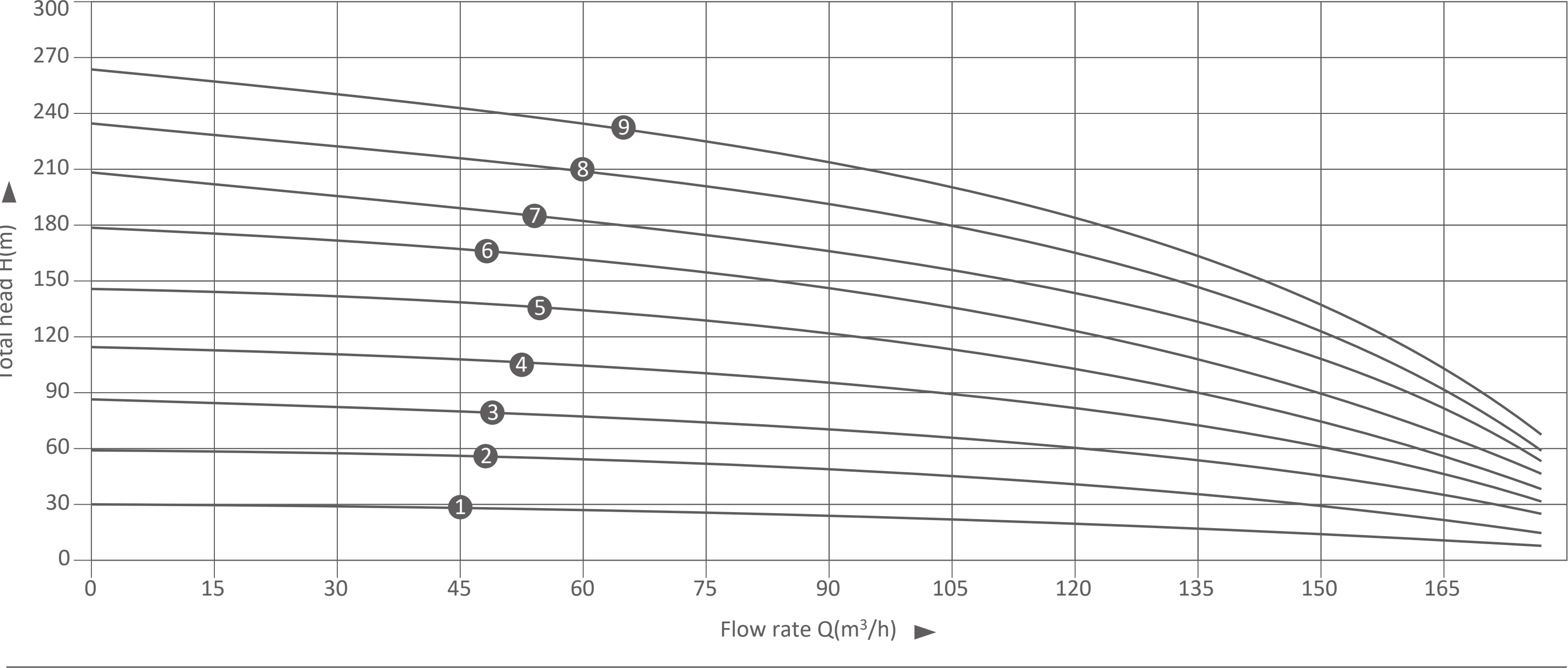
10SCSH SOLAR HYBRID
AC/DC PUMP



TECHNICAL DATA

Model	Power	AC	DC	VMP	Q	m³/h	0	50	80	100	125	140	160	Outlet
	KW	(V)	(V)	(V)		l/min	0	833	1333	1666	2000	2333	2666	
① 10WGS125/1-11	11	380	540	620-750			30	28	24	22	20	17	13	6"
② 10WGS125/2-22	22	380	540	620-750			59	55	49	45	40	35	26	6"
③ 10WGS125/3-30	30	380	540	620-750			87	83	74	67	60	53	40	6"
④ 10WGS125/4-37	37	380	540	620-750			115	110	98	91	80	70	52	6"
⑤ 10WGS125/5-55	55	380	540	620-750		H(M)	146	141	127	118	100	95	62	6"
⑥ 10WGS125/6-63	63	380	540	620-750			178	165	142	130	120	100	75	6"
⑦ 10WGS125/7-75	75	380	540	620-750			208	192	165	152	140	115	89	6"
⑧ 10WGS125/8-93	93	380	540	620-750			235	220	189	172	160	132	100	6"
⑨ 10WGS125/9-93	93	380	540	620-750			264	248	214	195	180	150	112	6"

PERFORMANCE CURVE



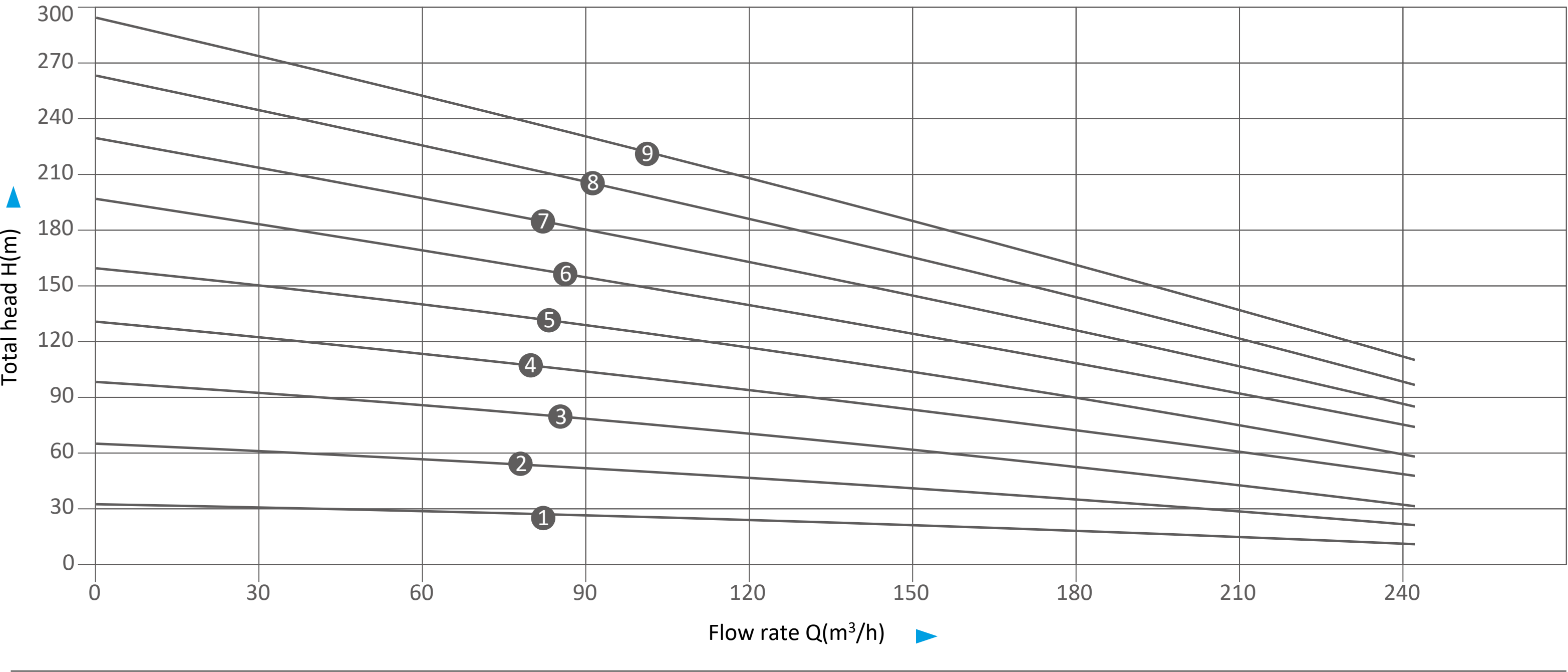
10SCSH SOLAR HYBRID
AC/DC PUMP



TECHNICAL DATA

Model	Power	AC	DC	VMP	Q	m³/h	0	100	120	160	180	Outlet (Inch)
	KW	(V)	(V)	(V)		l/min	0	1666	2000	2666	3000	
❶ 10WGSP160/1-13	13	380	540	620-750			33	25	23	20	18	6"
❷ 10WGSP160/2-26	26	380	540	620-750			65	50	46	40	36	6"
❸ 10WGSP160/3-37	37	380	540	620-750			99	75	69	60	52	6"
❹ 10WGSP160/4-55	55	380	540	620-750			132	100	92	80	72	6"
❺ 10WGSP160/5-63	63	380	540	620-750	H(M)		160	135	11	100	90	6"
❻ 10WGSP160/6-75	75	380	540	620-750			198	150	138	120	108	6"
❼ 10WGSP160/7-93	93	380	540	620-750			231	175	161	140	136	6"
❽ 10WGSP160/8-93	93	380	540	620-750			264	200	183	160	144	6"
❾ 10WGSP160/9-110	110	380	540	620-750			297	225	205	180	162	6"

PERFORMANCE CURVE



TGP



HYBRID
DC/AC SOLAR INVERTER

TGP SOLAR INVERTER -
THE IDEAL COMPLEMENT FOR YOUR PUMP

DESCRIPTION

The DC/AC Hybrid solar inverter (TGP) is an off-grid solar inverter which is AC and DC compatible. TGP can be connected to the grid or a generator as complementary or back-up power during solar panel power weakness. It is designed for continuous as well as intermittent operation. The system is suitable for various water supply systems including irrigation. TGP can be used in both new and existing systems as long as the motor specs are compatible and is suitable for use with a variable frequency drive.

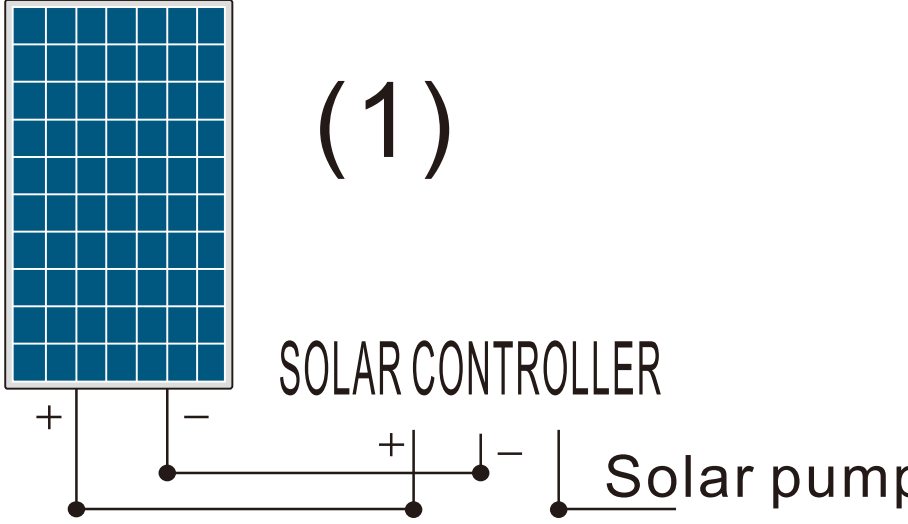
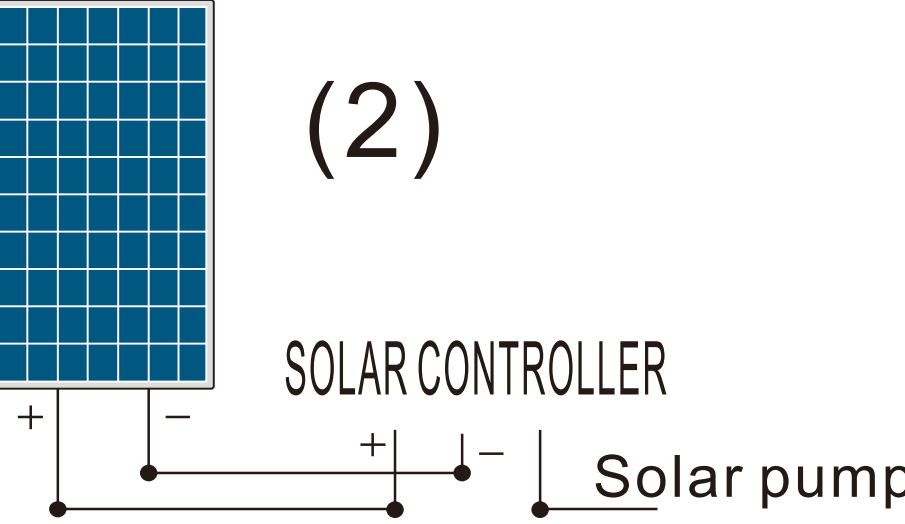
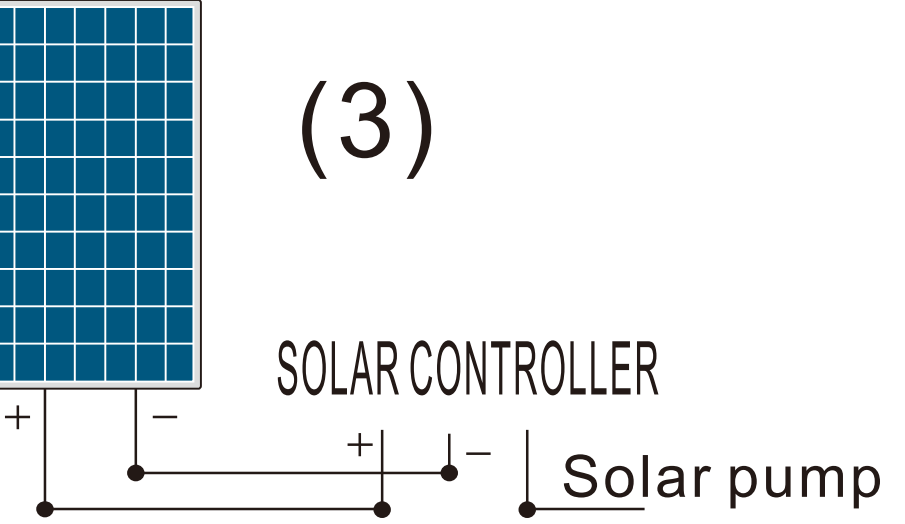
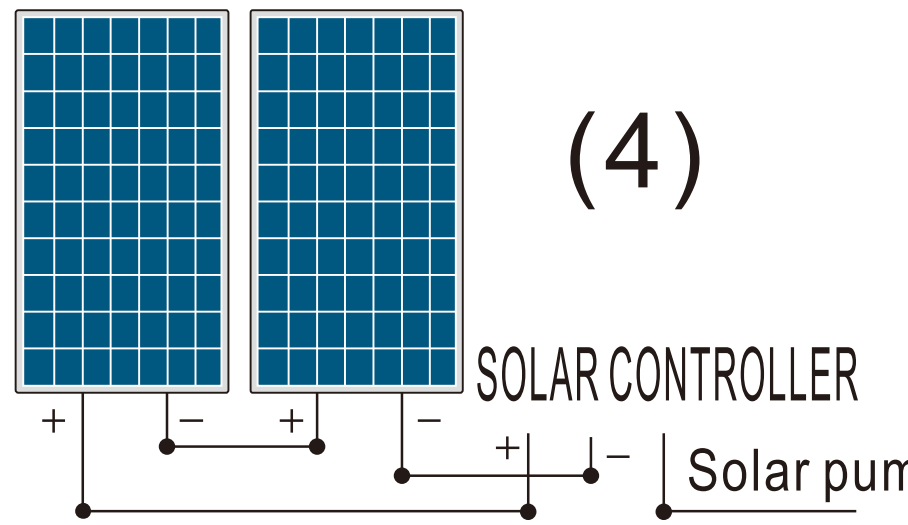
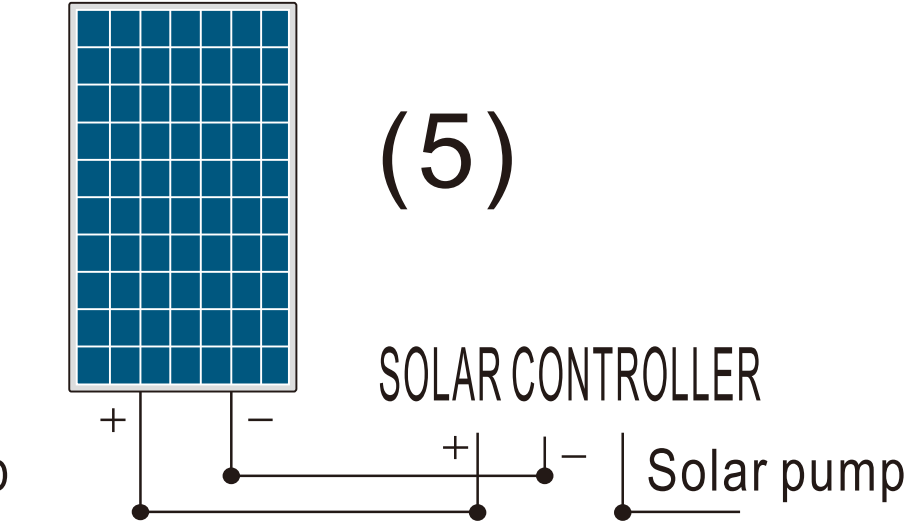
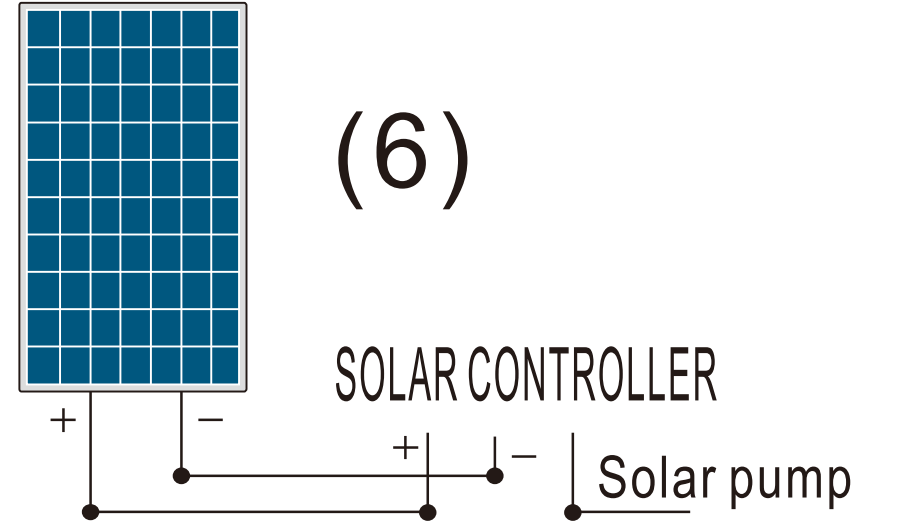
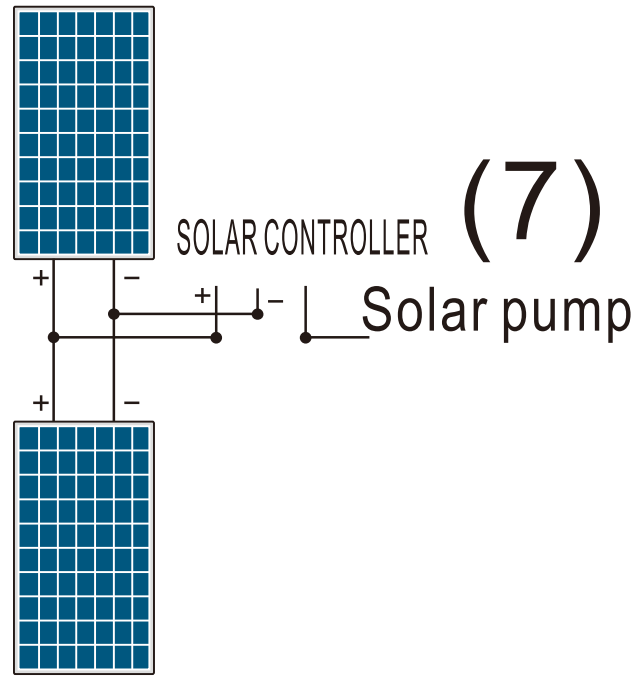
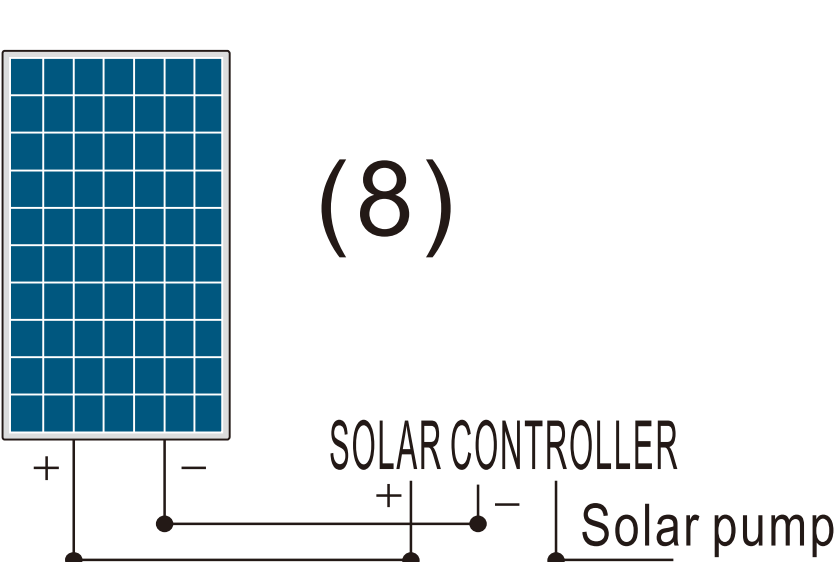
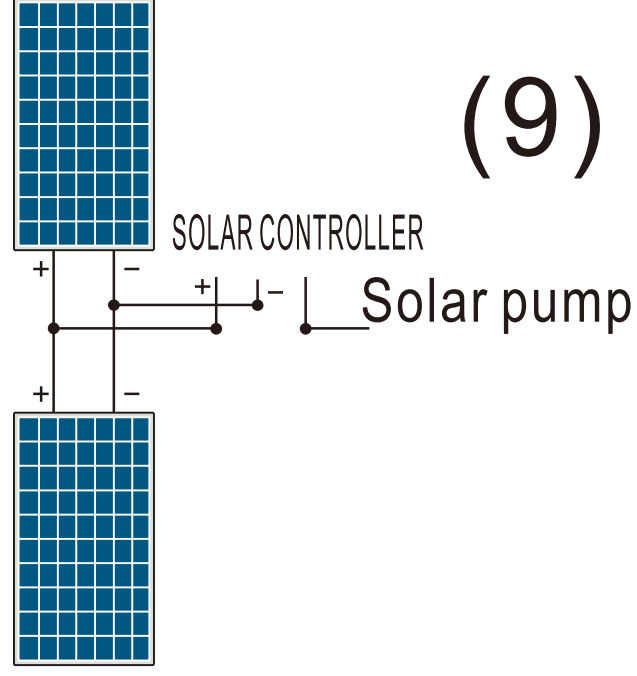
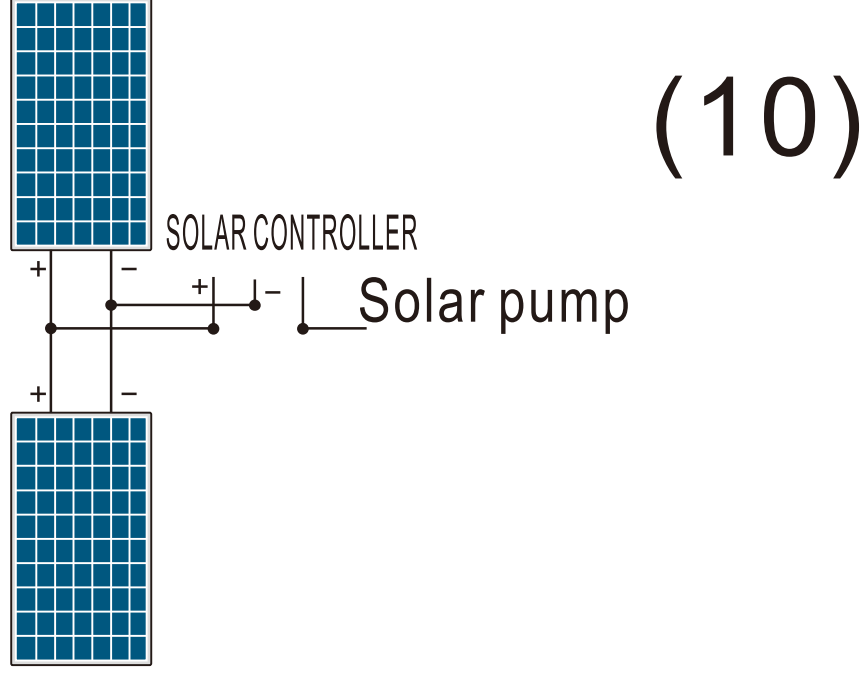
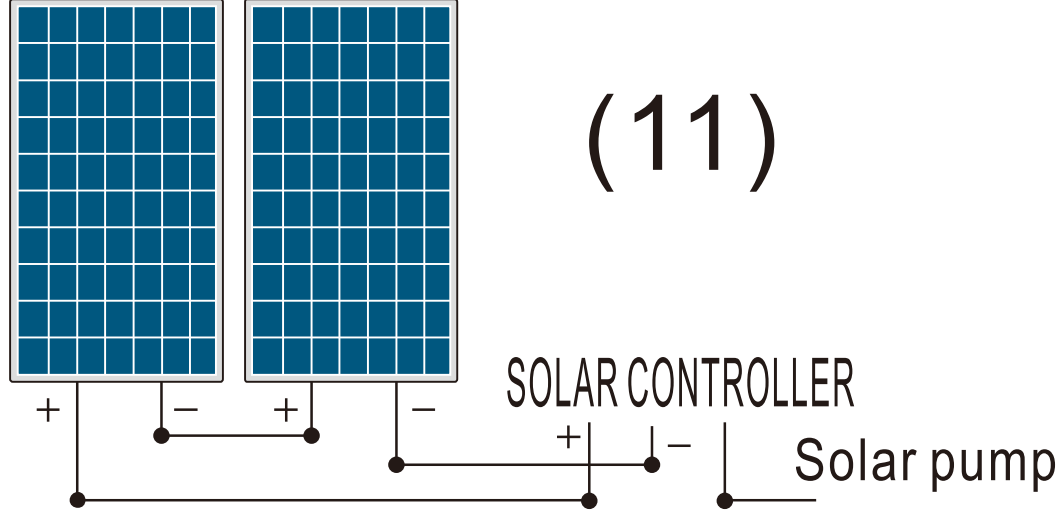
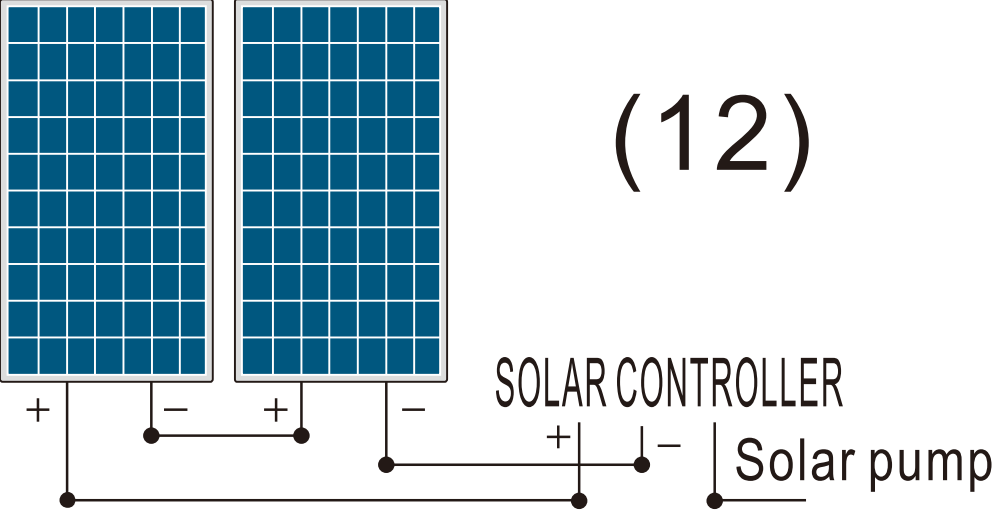
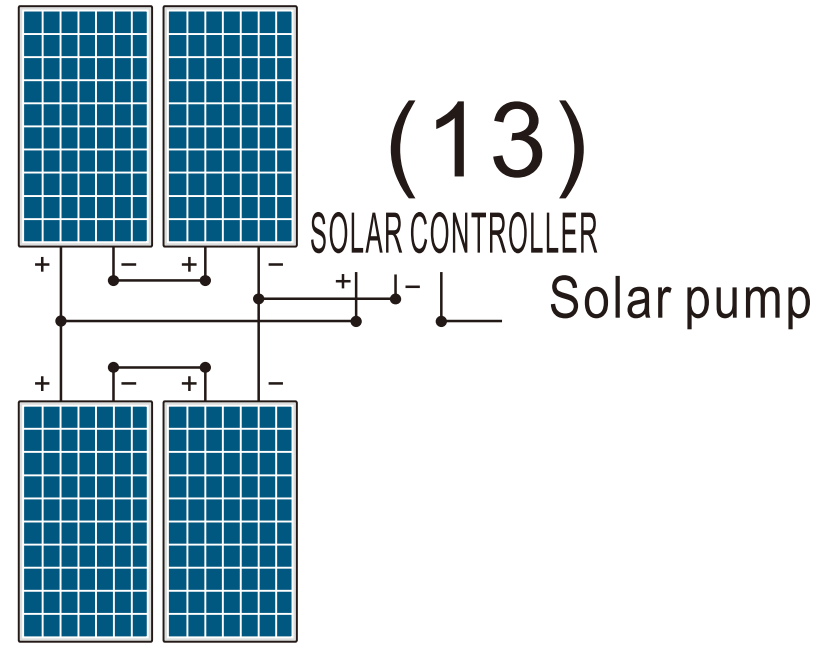
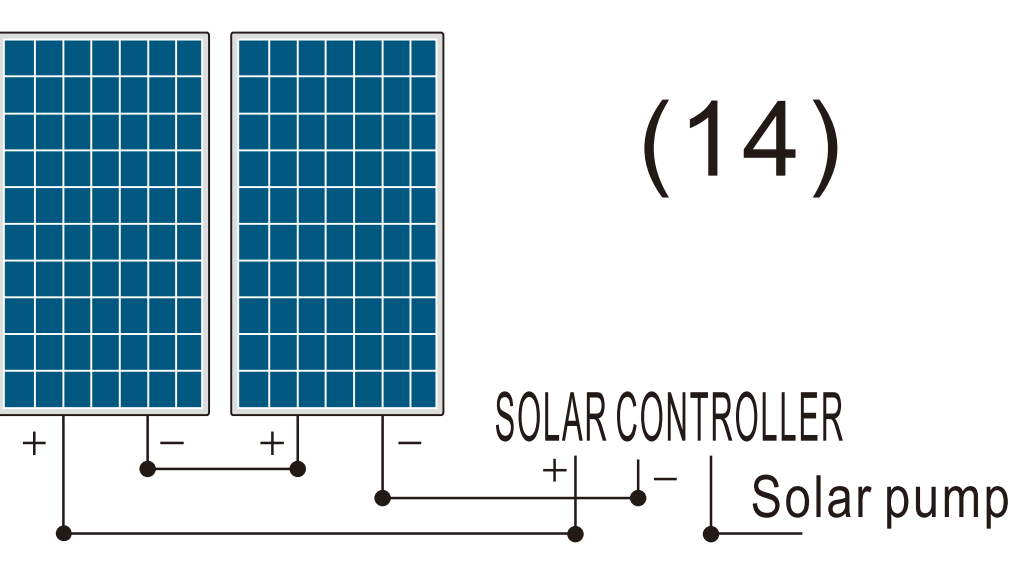
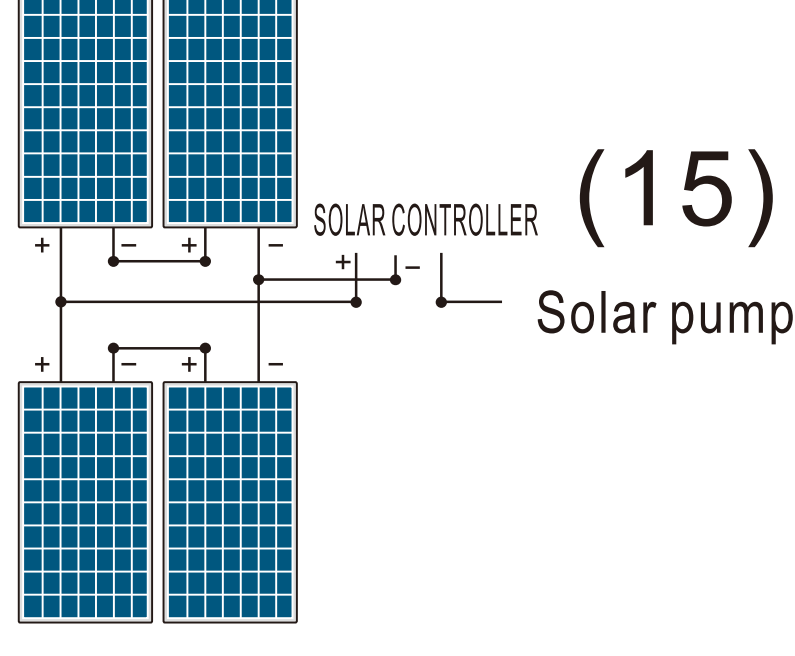
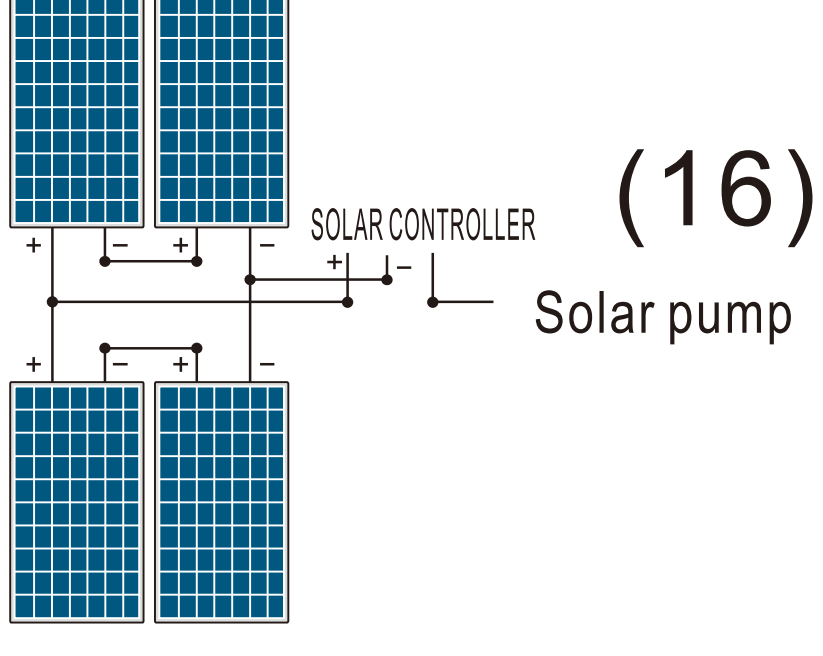
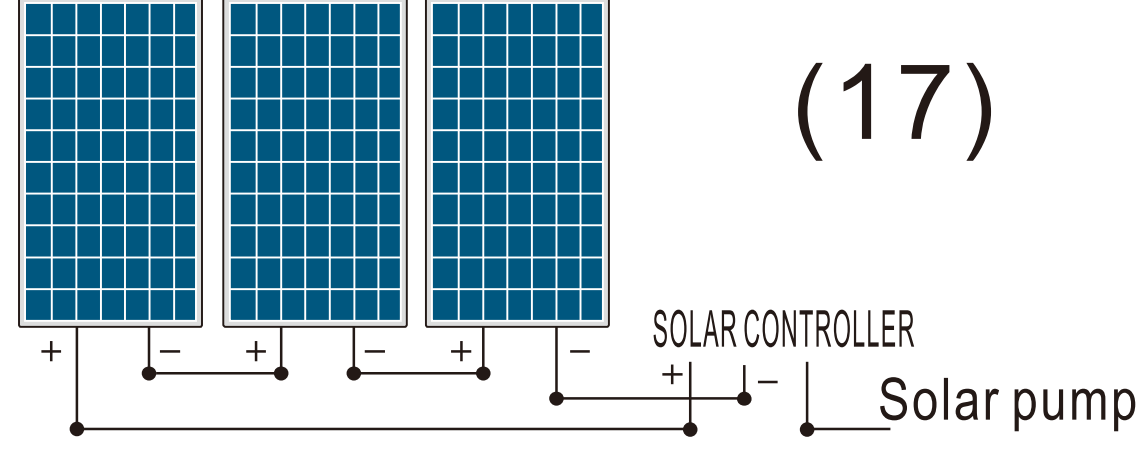
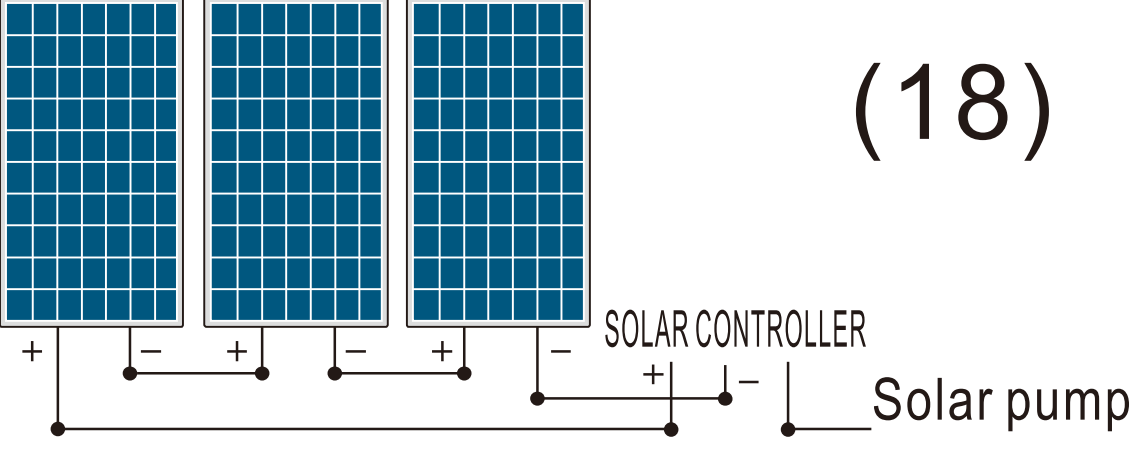
ADVANTAGES

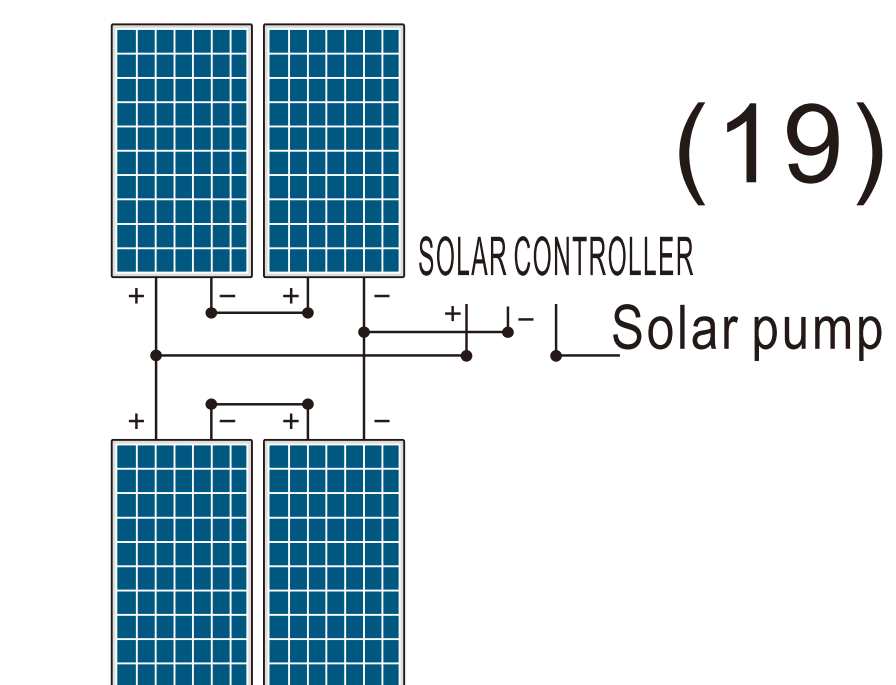
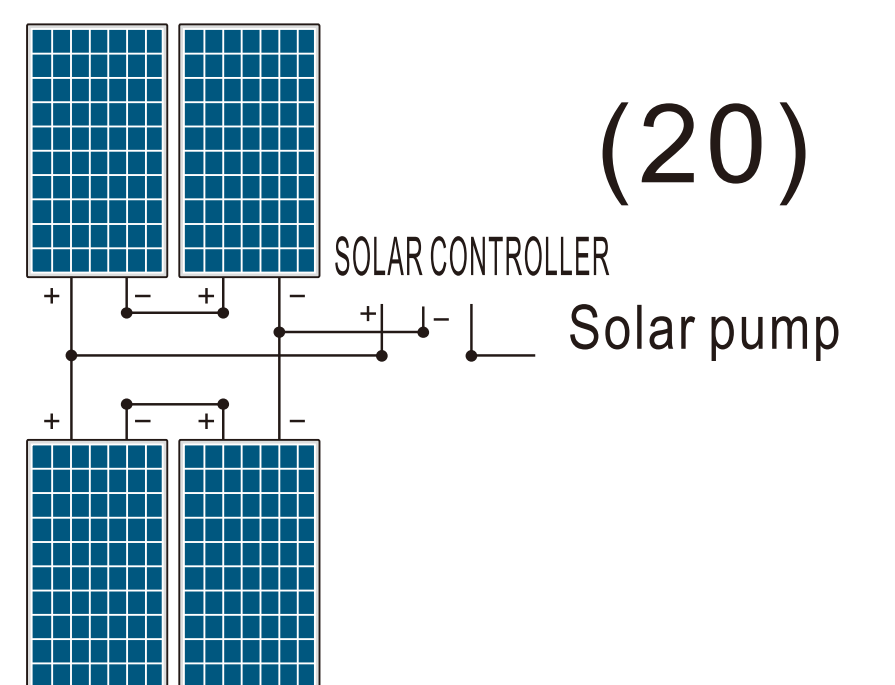
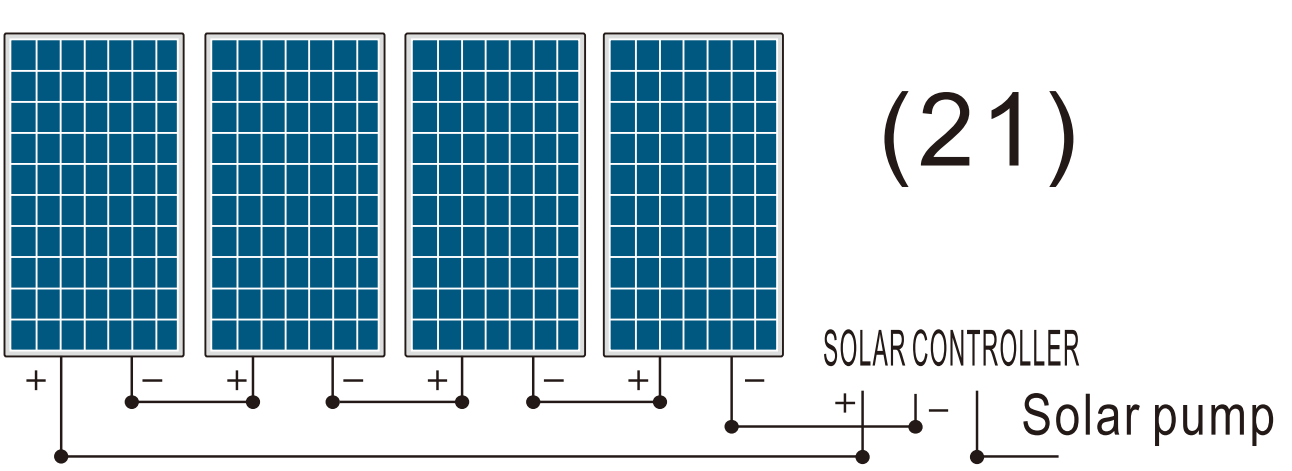
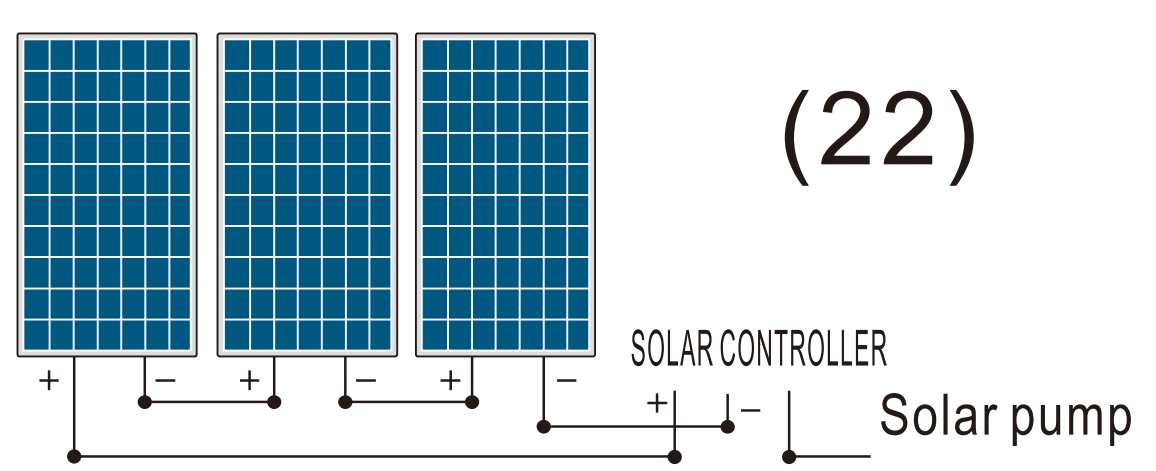
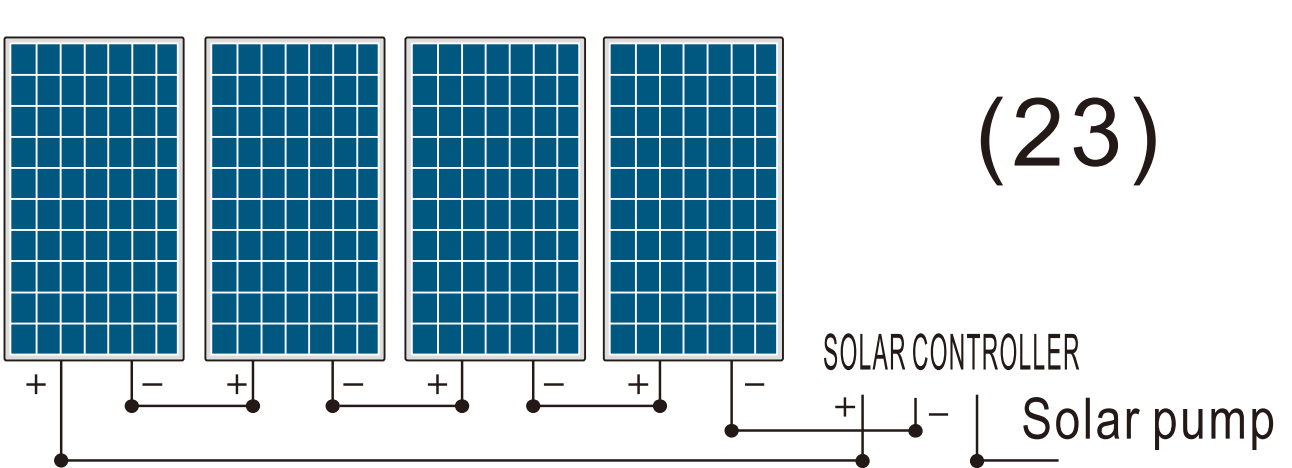
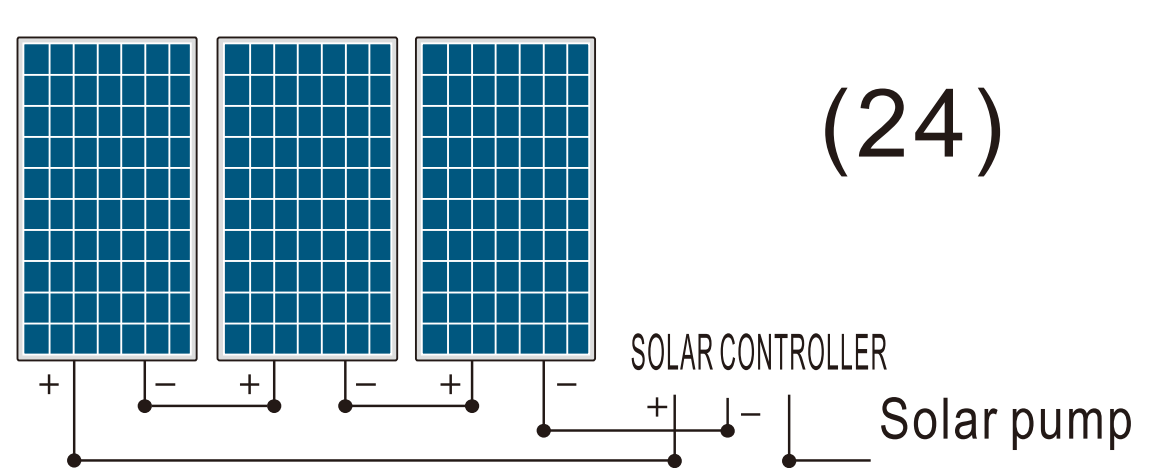
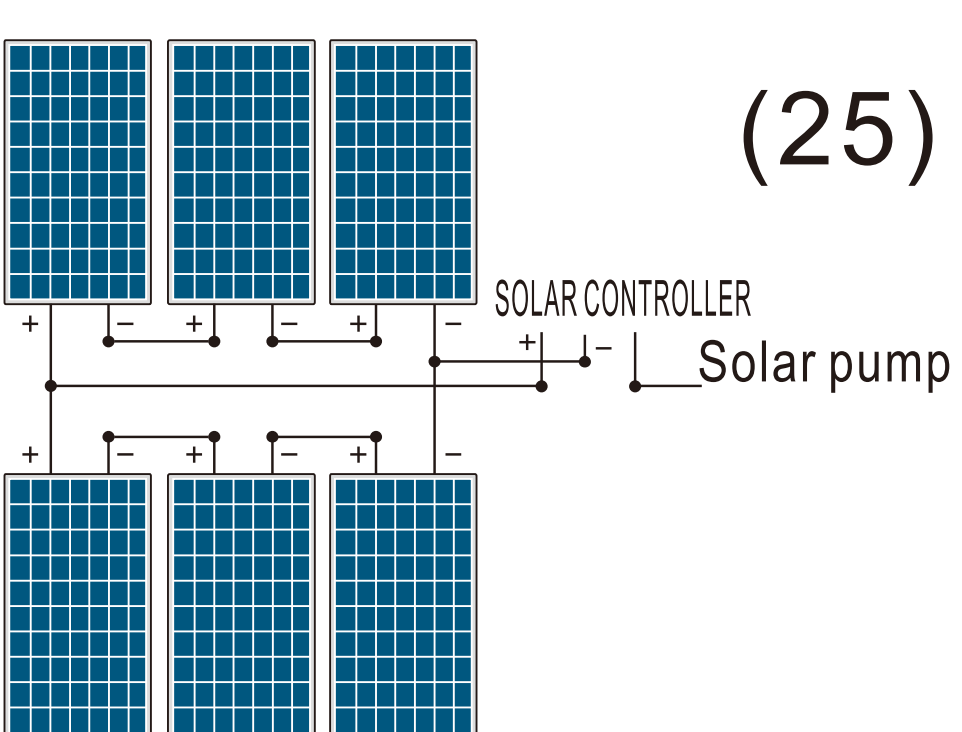
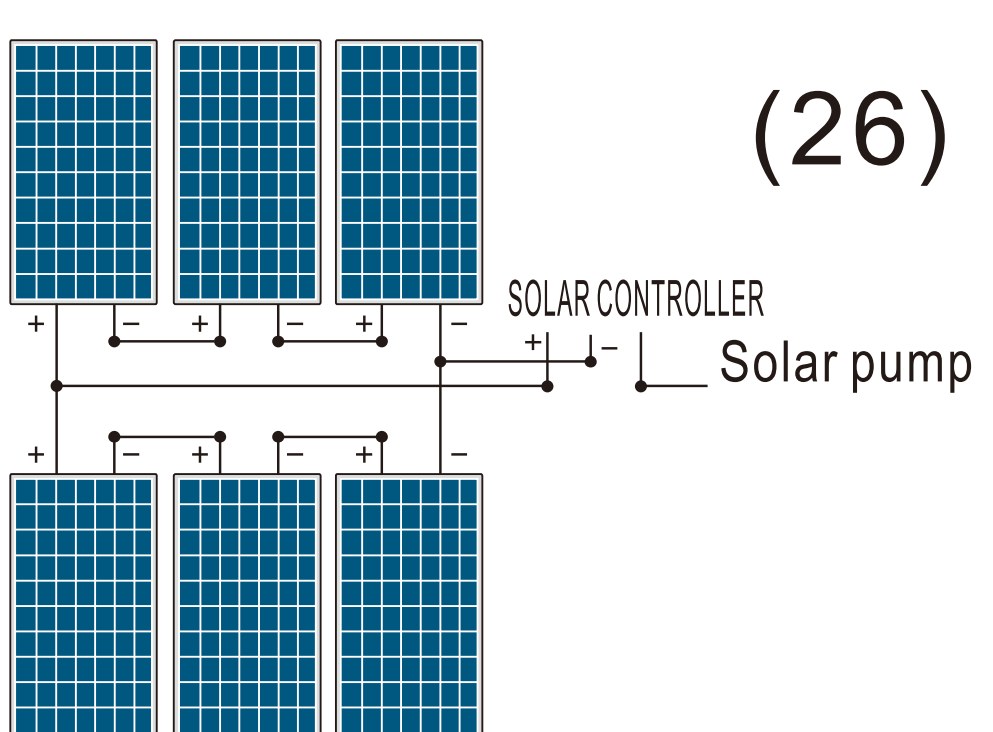
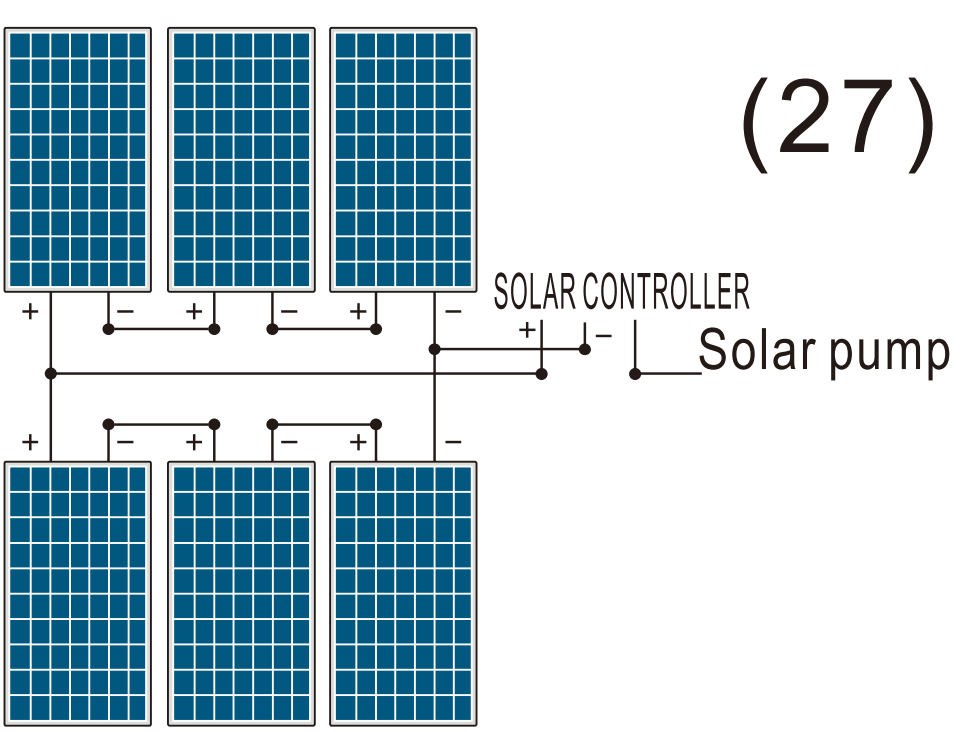
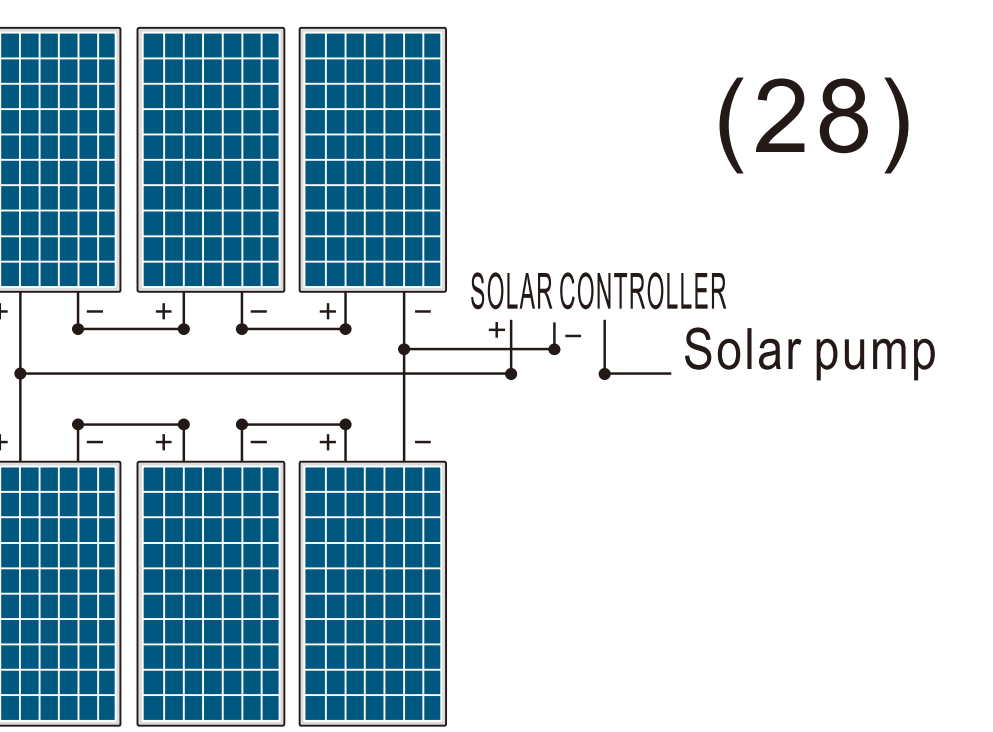
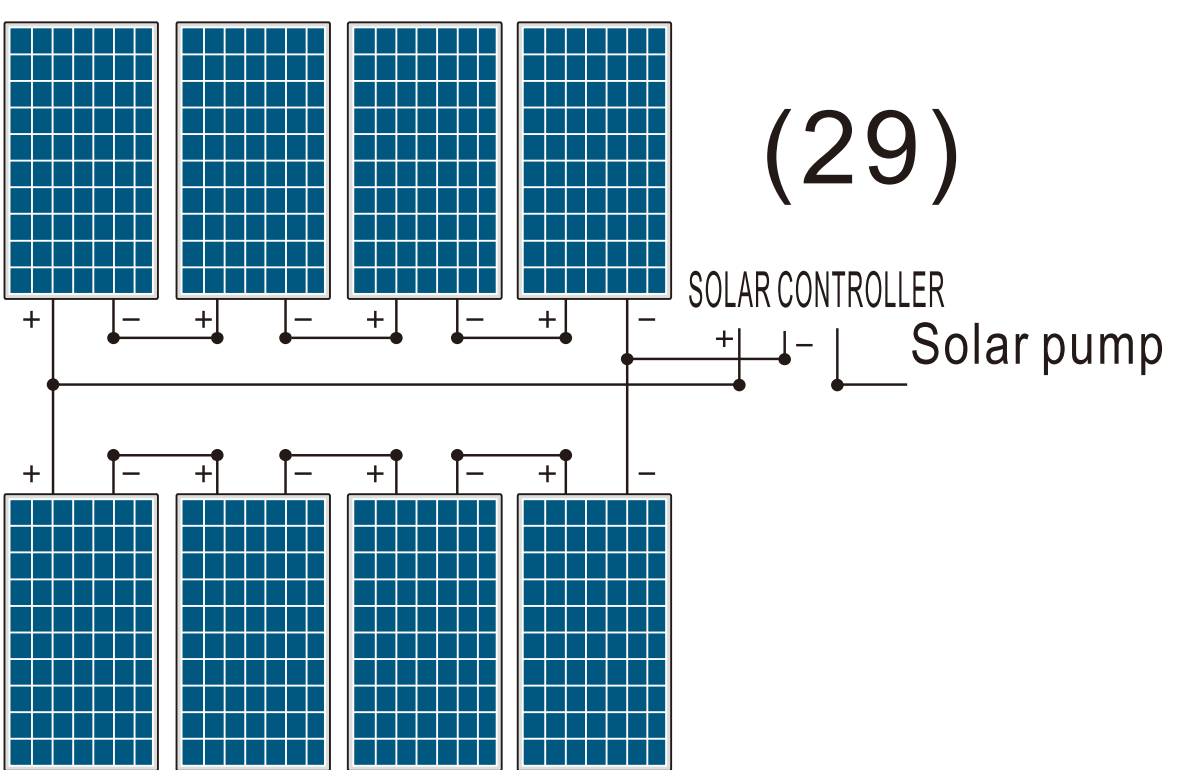
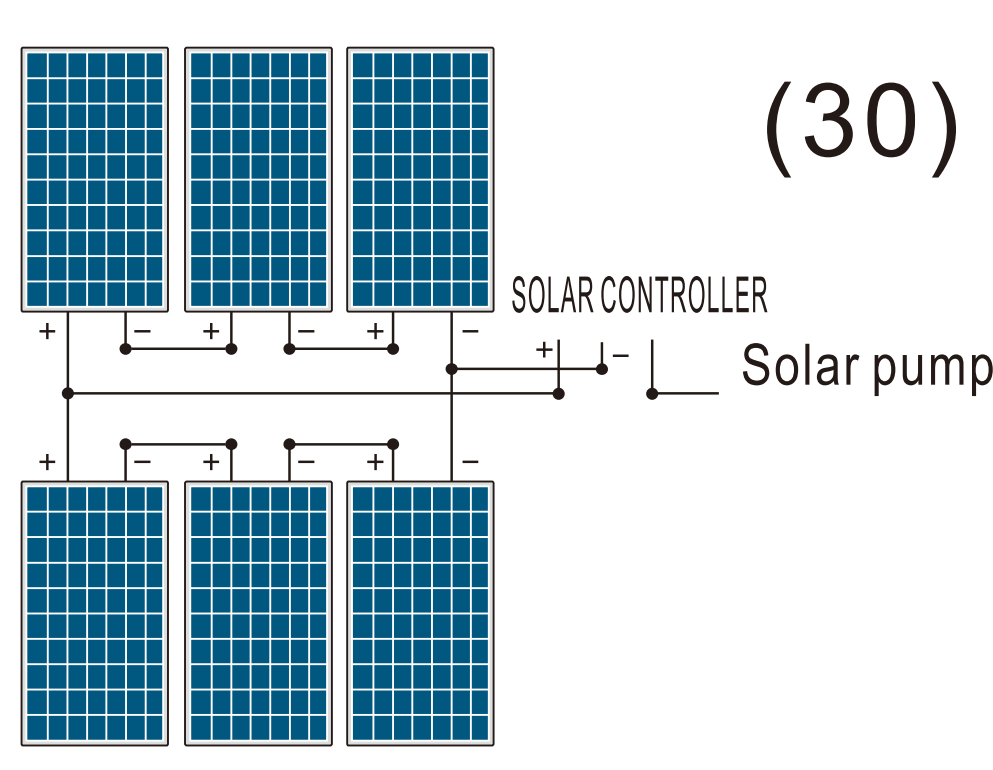
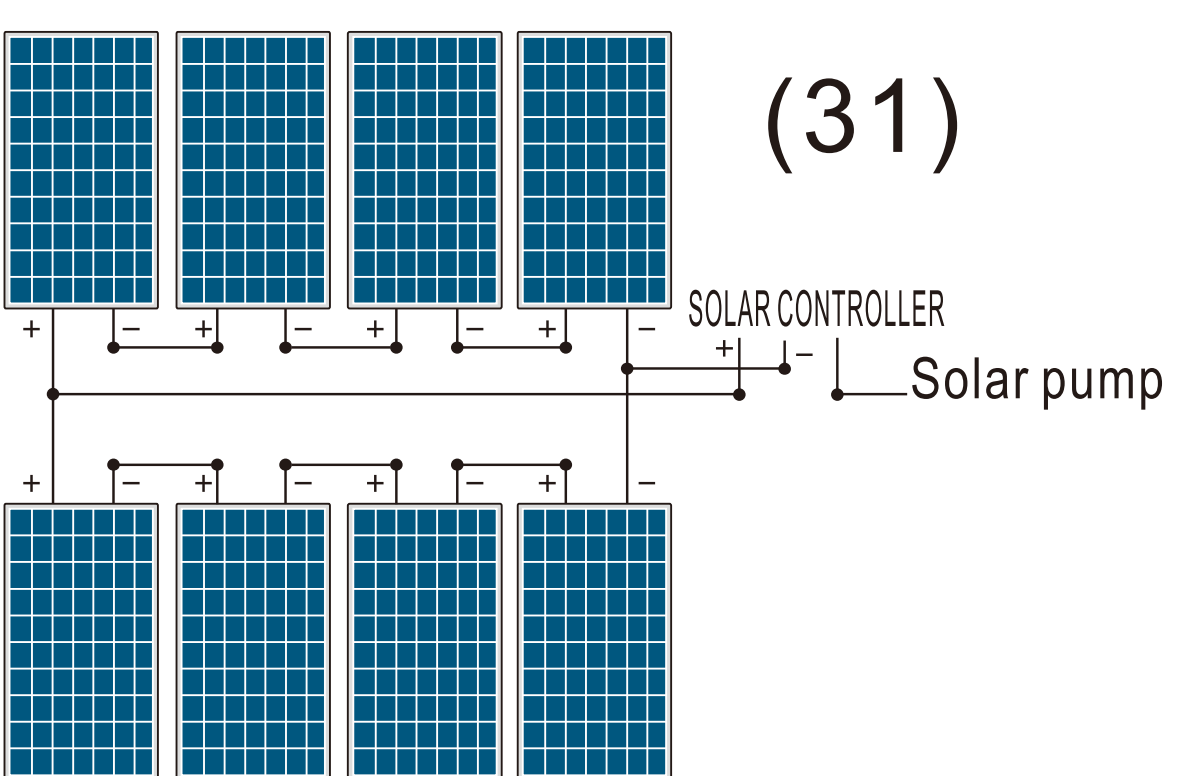
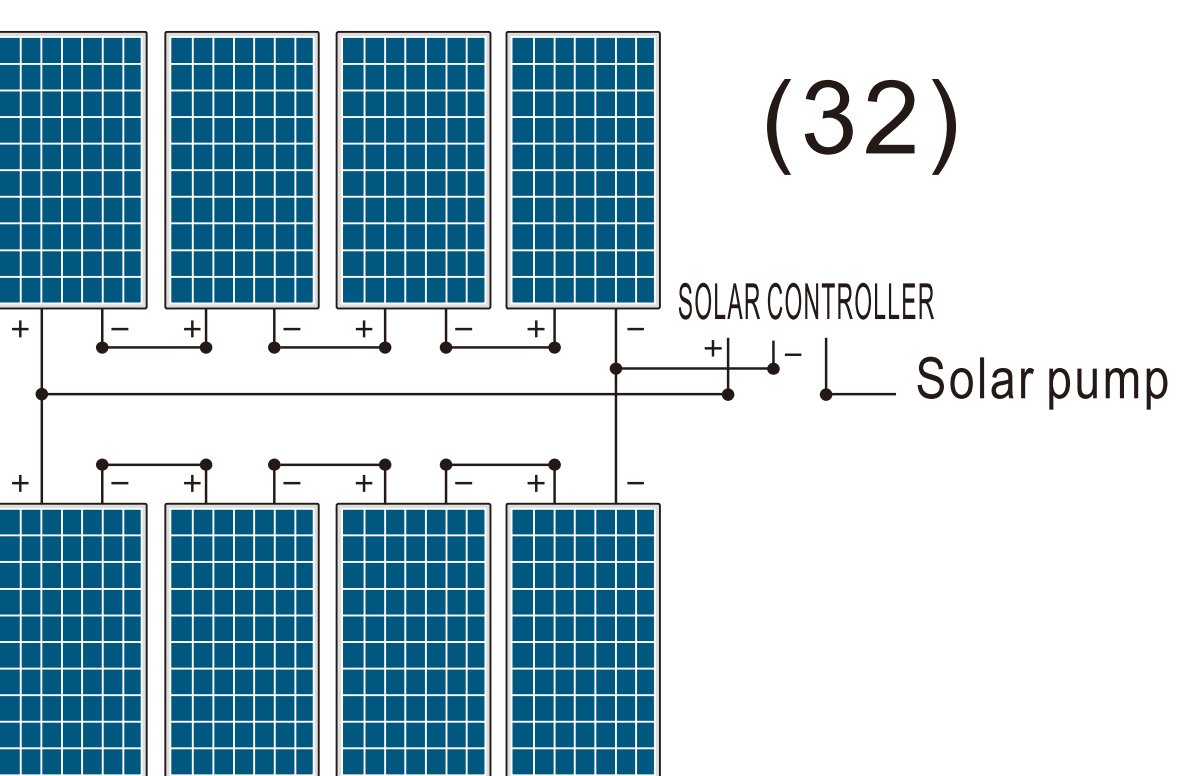
Efficiency MPPT software the inverter will continuous optimize the output frequency based on the available input power to constantly deliver maximum system Automatic recovery from operation signal stop Multi LED display for simple operation Adjustable operation parameters Display historical operation data Dry-running protection Over/under-voltage protection Over current and overload protection Over-temperature protection Phase-lack protection Fault detection with error code display Compatible with DC or AC 3 phase motor Self cleaning function Anti stealing function IOT remote monitoring function

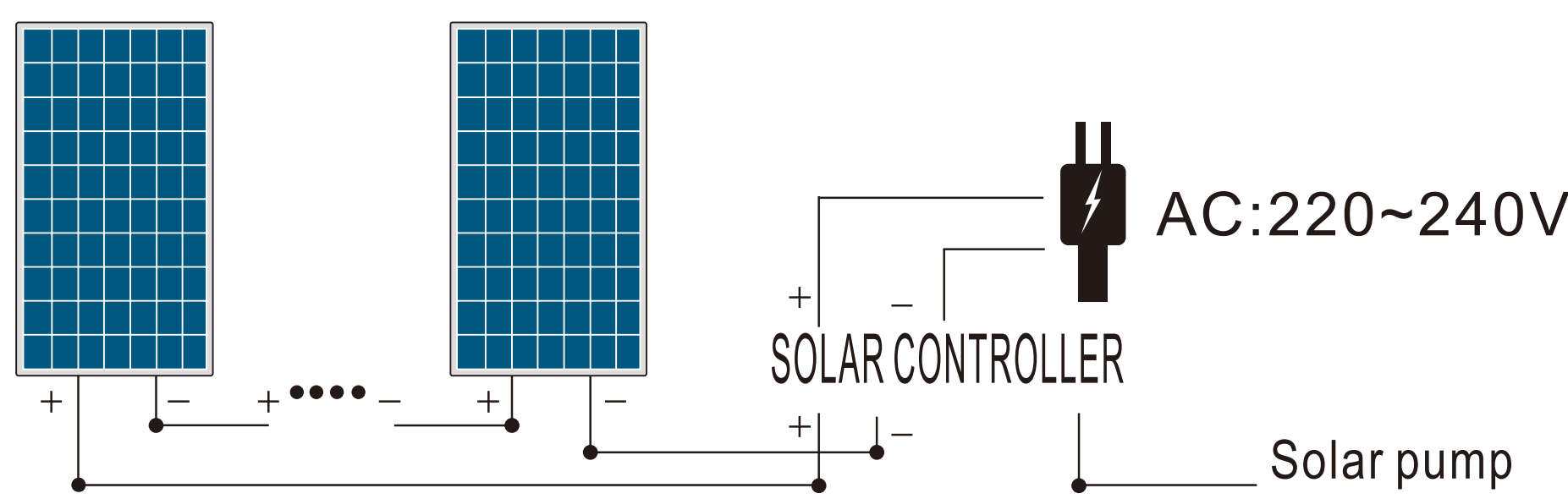
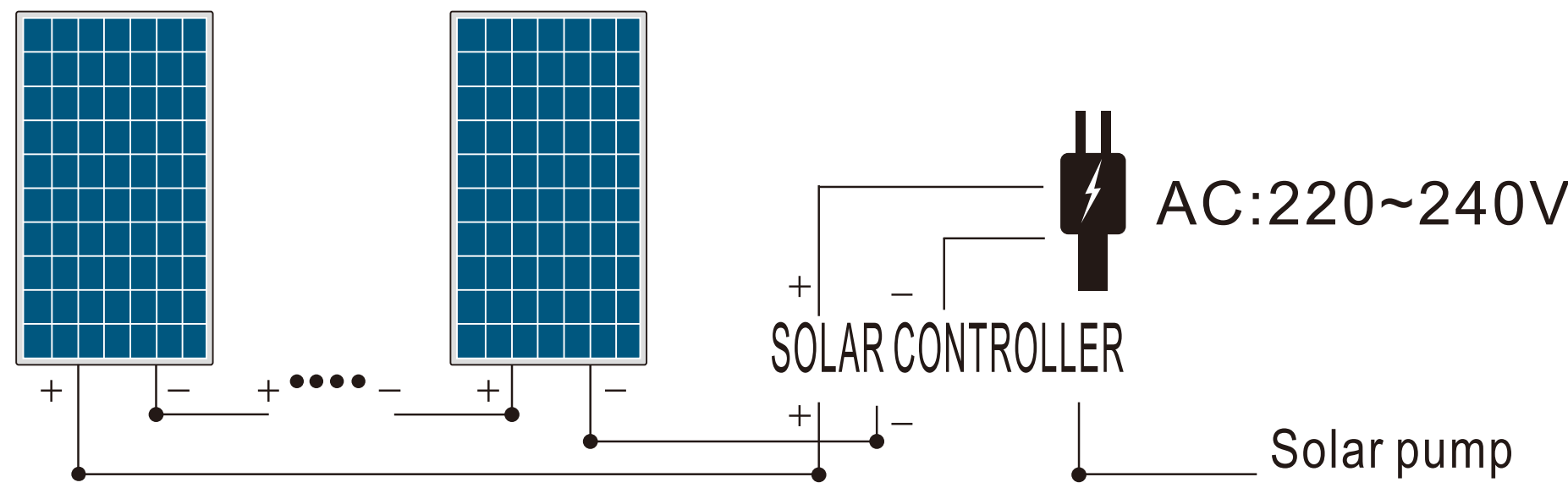
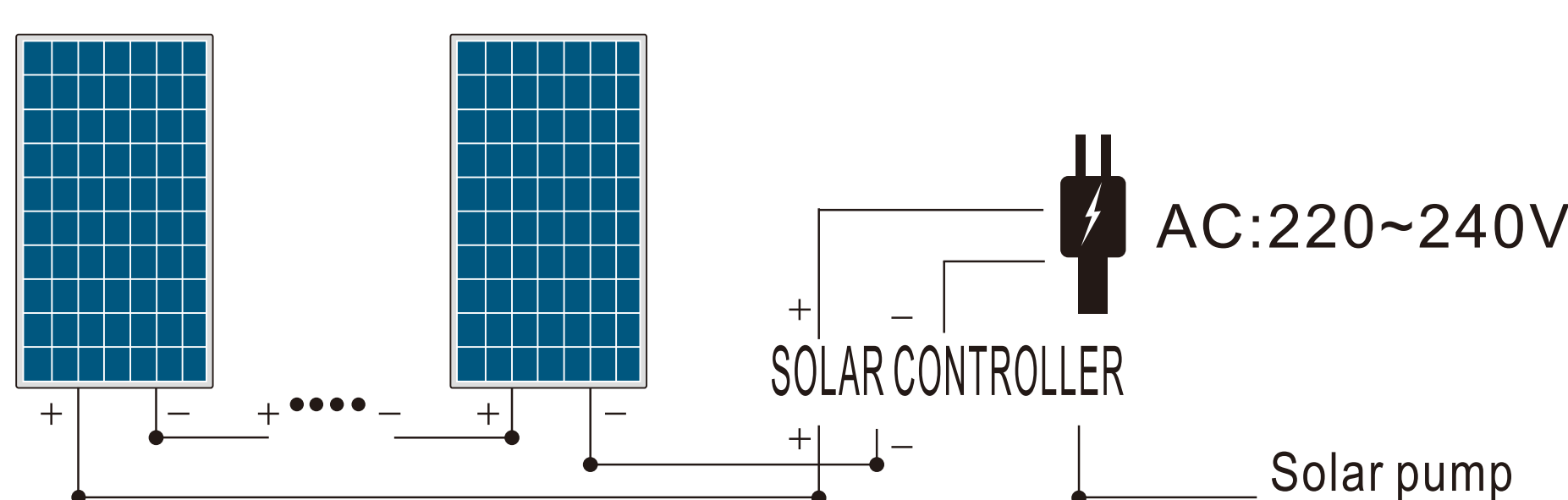
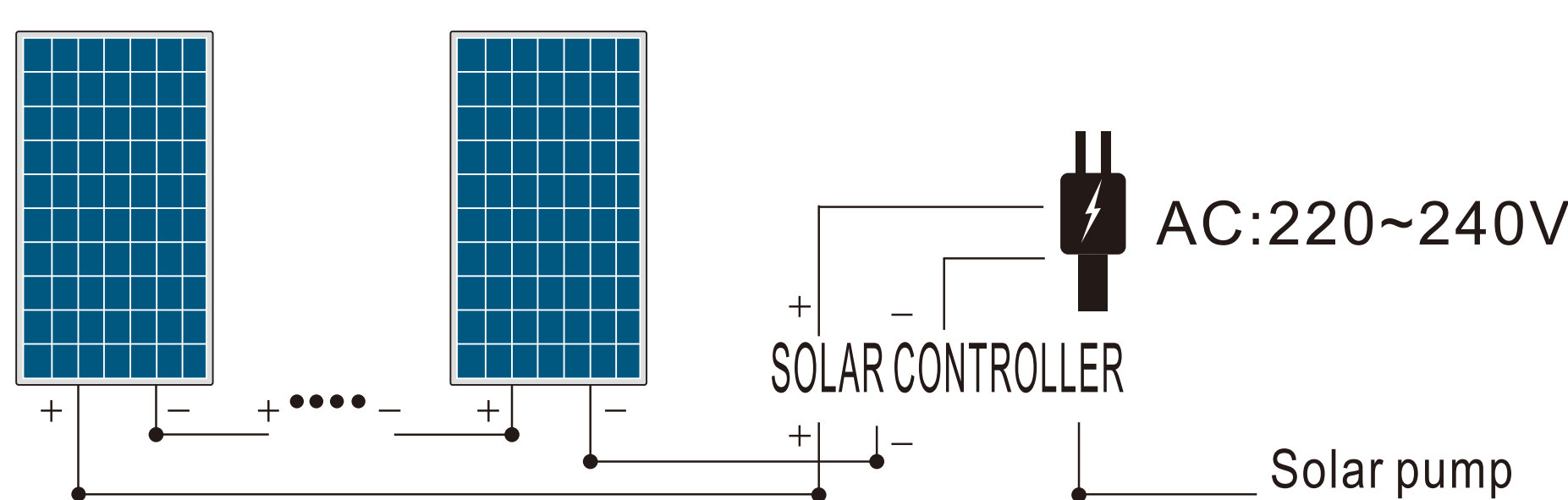
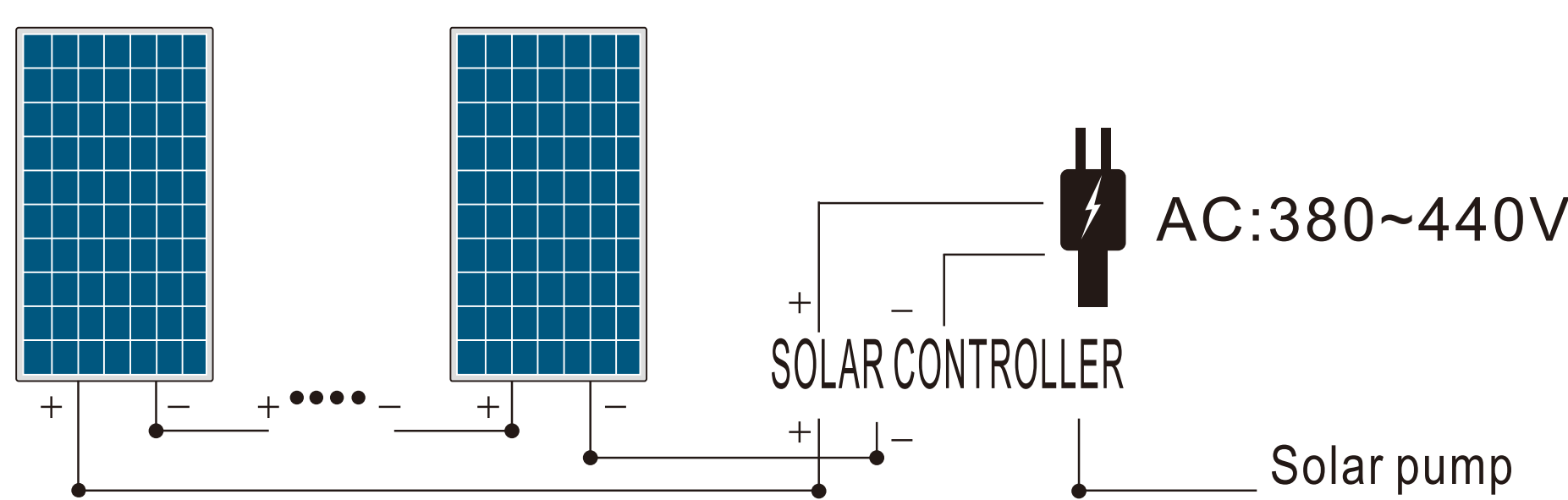
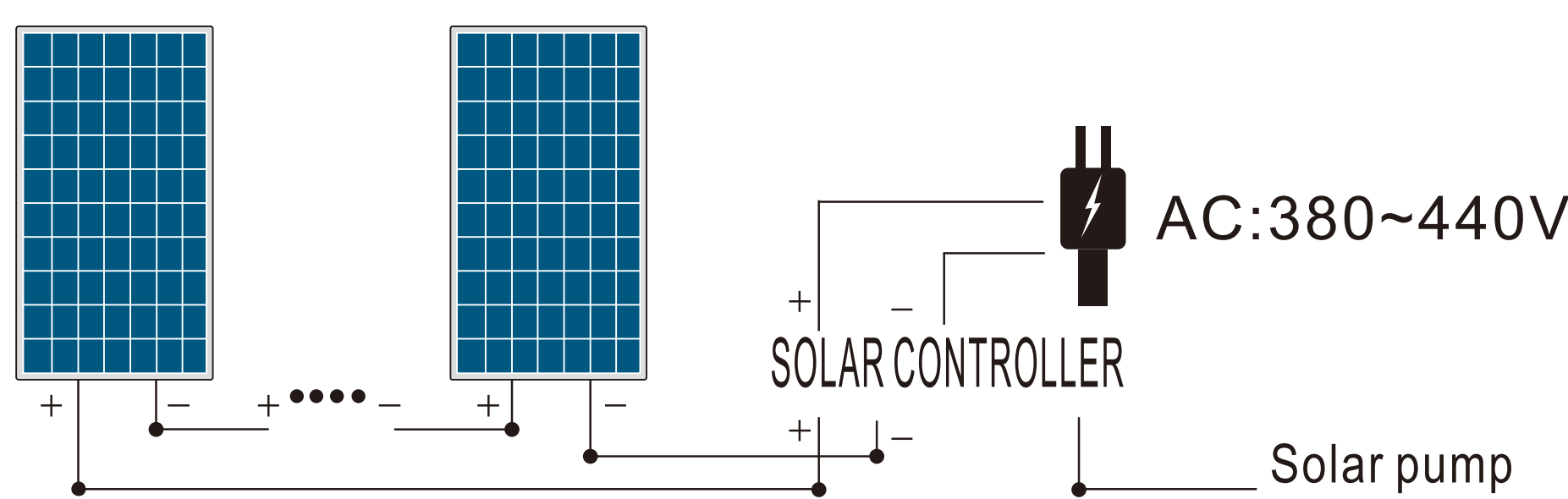
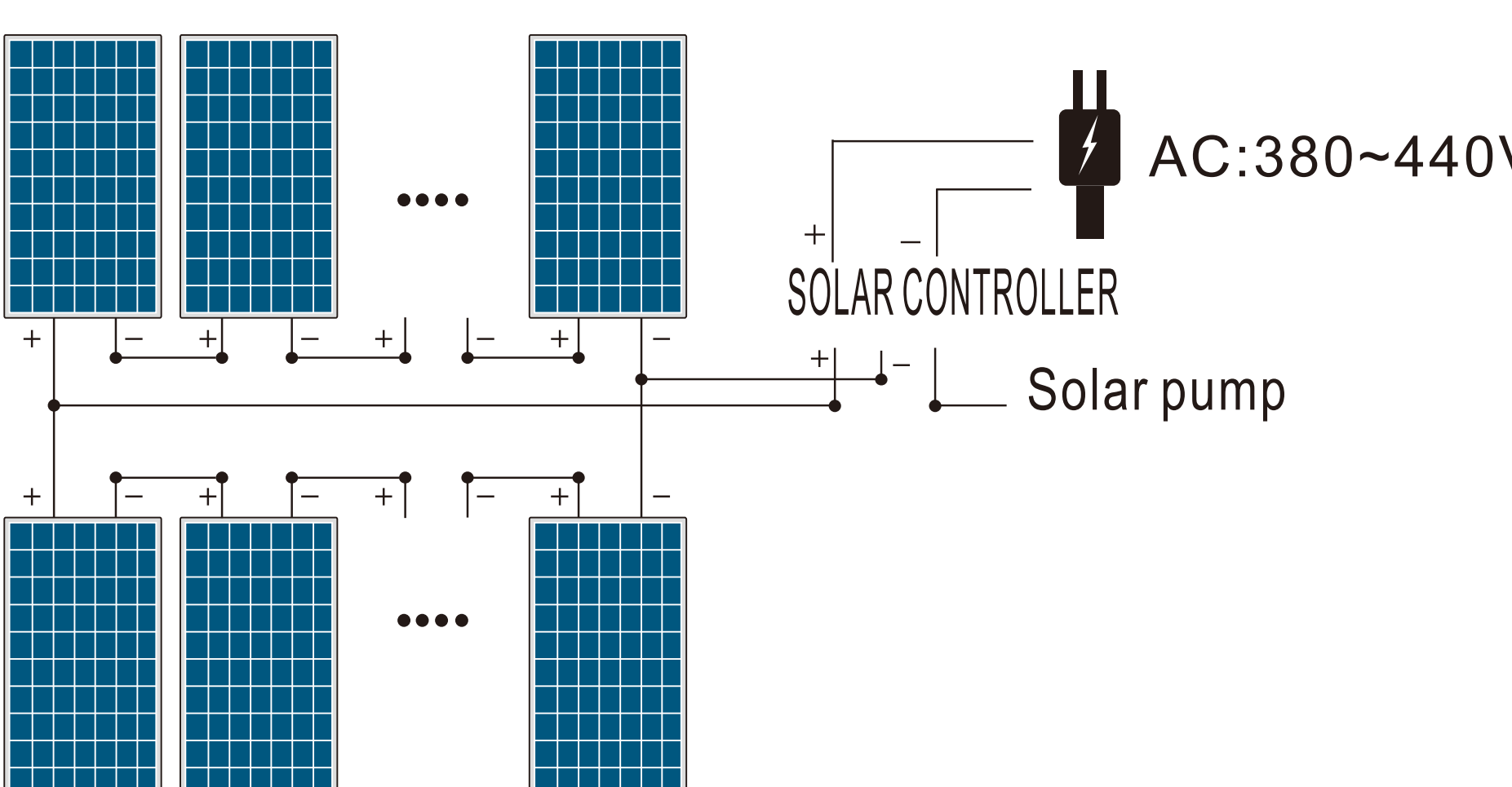
TECHNICAL DATA

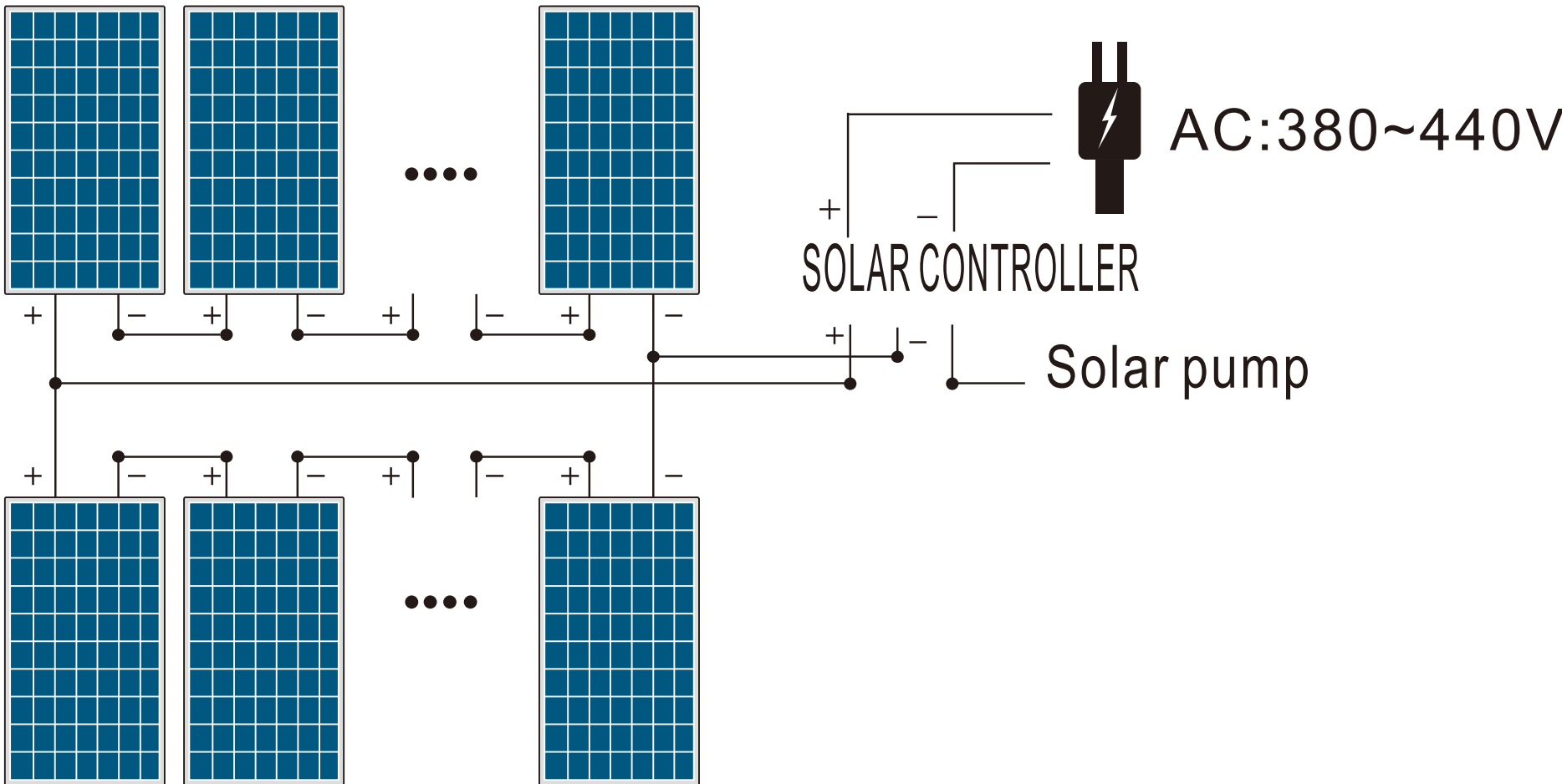
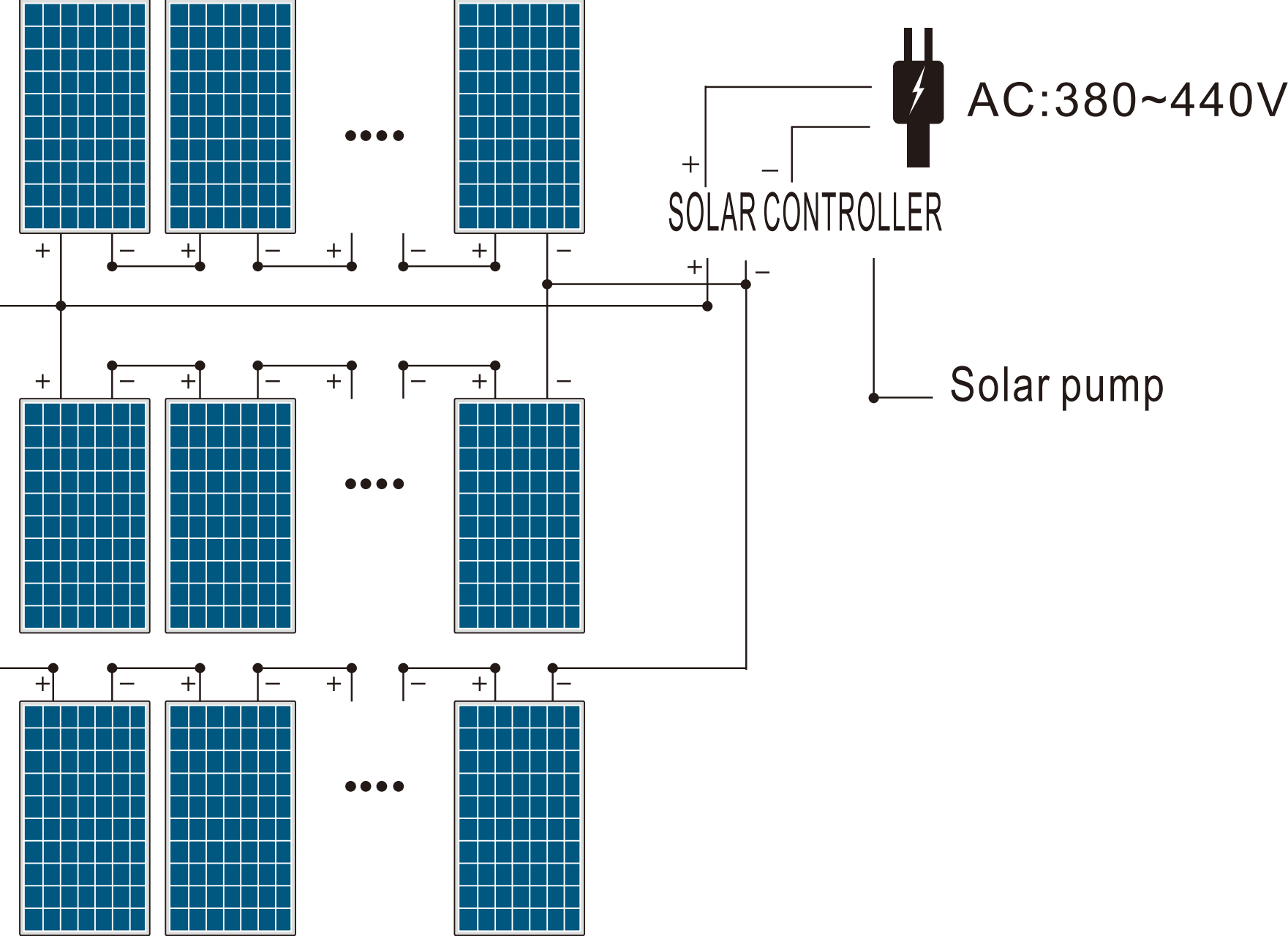
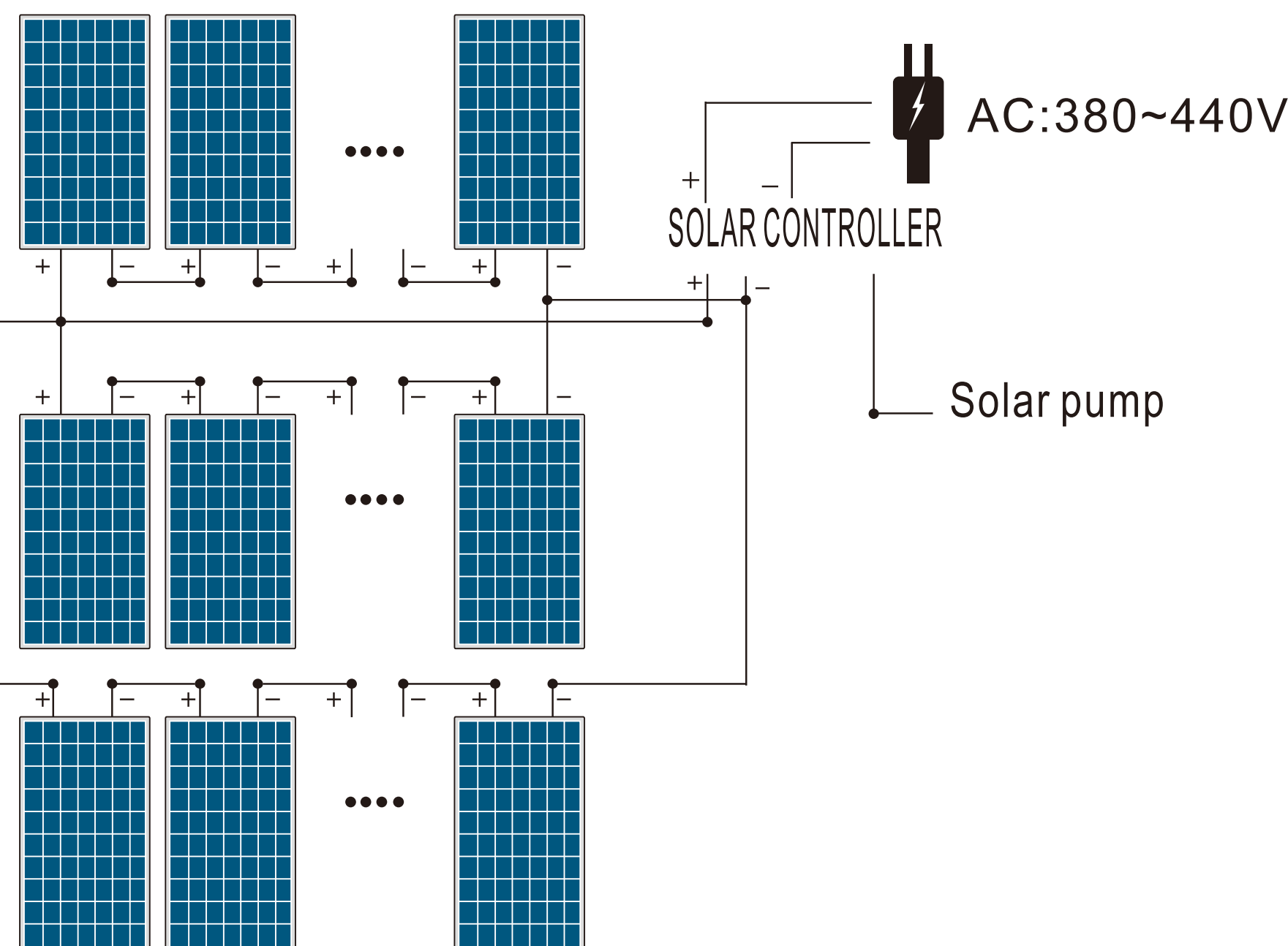
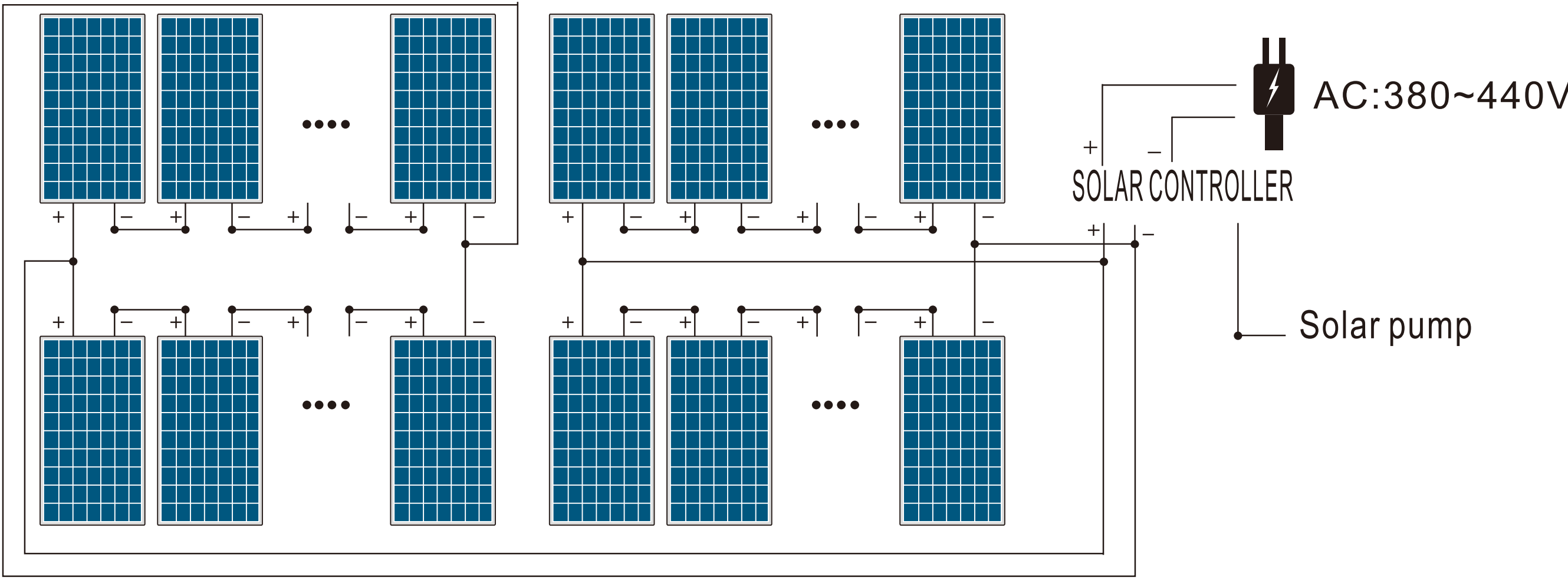
Model	TGP-ECHNIA	TGP-ECLNA	TGP-ECENE	TGP- CD	TGP- CANA
Power	750	1500	2200	4000	5500
DC working voltage	90 - 430V	90 - 430V	90 - 430V	300 - 750V	300 - 750V
VOC	<450V	0450V	0450V	0780V	0780V
AC working voltage	90 - 300V Sierle phase input			300 - 530V Three phase input	
Max input current	17A	17A	17A	17A	17A
Frequency/Hz	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ
Working speed	500-4000RPM	500-4000RPM	500-4000RPM	500-4000RPM	500-4000RPM
Ingress Protection	IP55	IP55	IP55	IP55	IP55
Ambwent Temperature	-10 to 50 °C				
Efficiency	Max 99%	Max 99%	Max 99%	Max 99%	Max 99%

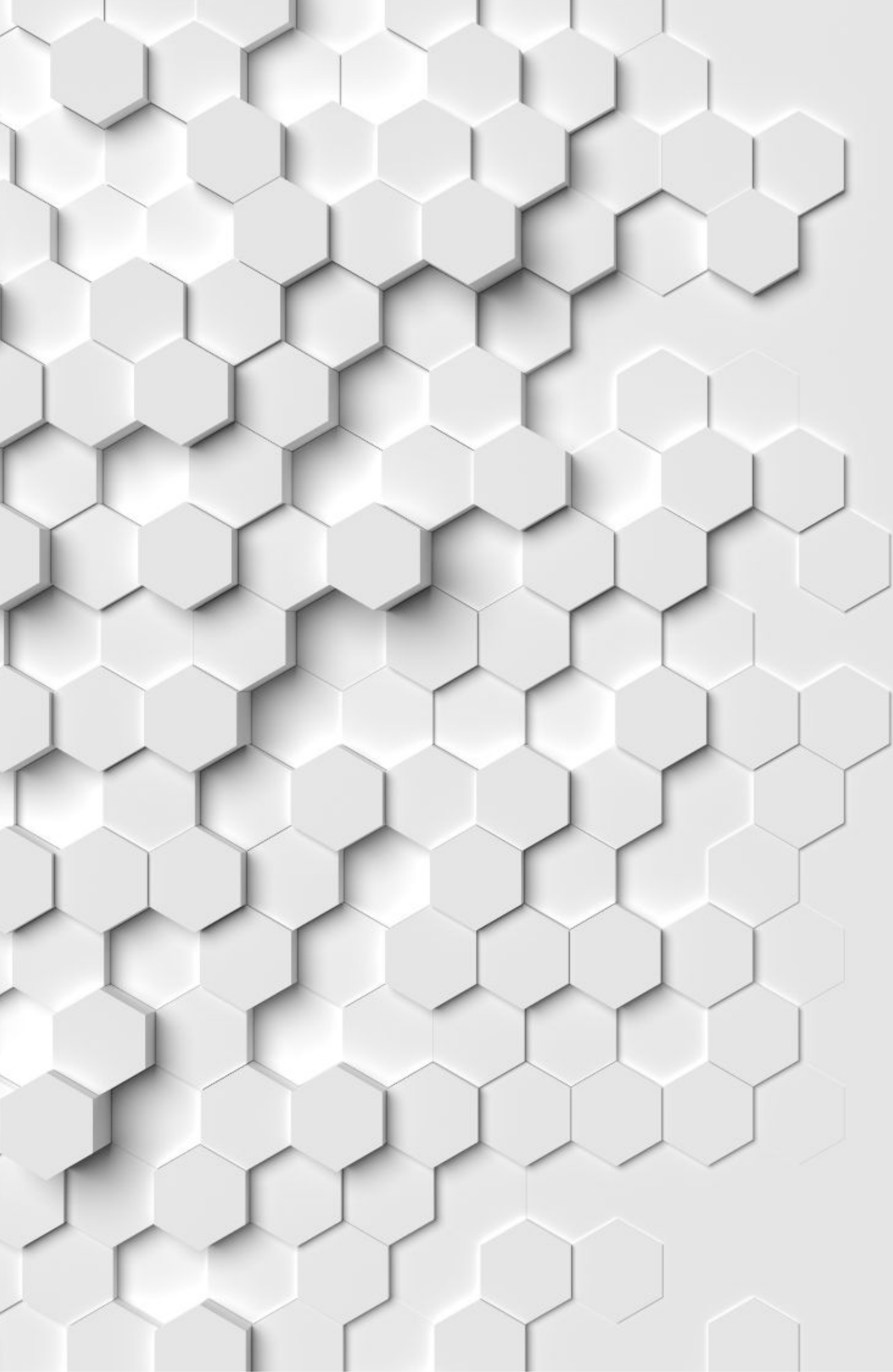
SOLAR PANEL RECOMMENDATIONS

PUMP POWER 80W-12V Voc: 18V~55V	  	Solar panel:150W*1PCS Solar panel:270W*1PCS Solar panel:330W*1PCS
PUMP POWER 120W-24V 180W-24V 200W-24V 210W-24V 210W-36V Voc: 18V~55V	  	Solar panel:150W*2PCS Solar panel:270W*1PCS Solar panel:330W*1PCS
PUMP POWER 280W-24V 300W-24V Voc: 18V~55V	 	Solar panel:270W*2PCS Solar panel:330W*1PCS
PUMP POWER 400W-36V Voc: 18V~55V	 	Solar panel:270W*2PCS Solar panel:330W*2PCS
PUMP POWER 370W-48V 400W-48V Voc: 30V~105V	 	Solar panel:270W*2PCS Solar panel:330W*2PCS
PUMP POWER 500W-48V 550W-48V Voc: 30V~105V	 	Solar panel:270W*4PCS Solar panel:330W*2PCS
PUMP POWER 600W-48V Voc: 30V~105V	 	Solar panel:270W*4PCS Solar panel:330W*4PCS
PUMP POWER 600W-72V Voc: 55V~160V	 	Solar panel:270W*3PCS Solar panel:330W*3PCS

PUMP POWER 750W-48V Voc: 30V~105V	(19)  (20)  Solar panel:270W*4PCS Solar panel:330W*4PCS
PUMP POWER 750W-72V Voc: 55V~160V	(21)  (22)  Solar panel:270W*4PCS Solar panel:330W*3PCS
PUMP POWER 900W-72V Voc: 55V~160V	(23)  (24)  Solar panel:270W*4PCS Solar panel:330W*3PCS
PUMP POWER 1100W-72V Voc: 55V~160V	(25)  (26)  Solar panel:270W*6PCS Solar panel:330W*6PCS
PUMP POWER 1100W-110V Voc: 60V~210V	(27)  (28)  Solar panel:270W*6PCS Solar panel:330W*6PCS
PUMP POWER 1300W-110V Voc: 60V~210V	(29)  (30)  Solar panel:270W*8PCS Solar panel:330W*6PCS
PUMP POWER 1500W-110V Voc: 60V~210V	(31)  (32)  Solar panel:270W*8PCS Solar panel:330W*8PCS

PUMP POWER 750W-220V AC:85V-280V DC:80V-430V	 Solar panel:270W*3-7PCS Solar panel:330W*4-6PCS
PUMP POWER 1100W-220V 1200W-220V AC:85V-280V DC:80V-430V	 Solar panel:270W* 6-8PCS Solar panel:330W*5-7PCS
PUMP POWER 1300W-220V 1500W-220V AC:85V-280V DC:80V-430V	 Solar panel:270W*8-9PCS Solar panel:330W*6-8PCS
PUMP POWER 2200W-220V AC:85V-280V DC:80V-430V	 Solar panel:270W*10PCS Solar panel:330W*8-9PCS
PUMP POWER 3000W-380V AC Vol . 380V~440V Dc vol. 480V~780V	 Solar panel:270W*15PCS Solar panel:330W*12PCS
PUMP POWER 4000W-380V AC Vol . 380V~440V Dc vol. 480V~780V	 Solar panel:270W*19PCS Solar panel:330W*15PCS
PUMP POWER 5500W-380V AC Vol . 380V~440V Dc vol. 480V~780V	 Solar panel:270W*26PCS Solar panel:330W*22PCS

PUMP POWER 7500W-380V AC Vol . 380V~440V Dc vol. 480V-780V	 Solar panel:270W*36PCS Solar panel:330W*30PCS
PUMP POWER 9200W-380V AC Vol . 380V~440V Dc vol. 480V-780V	 Solar panel:270W*45PCS Solar panel:330W*36PCS
PUMP POWER 11000W-380V AC Vol . 380V~440V Dc vol. 480V-780V	 Solar panel:270W*54PCS Solar panel:330W*42PCS
PUMP POWER 15000W-380V AC Vol . 380V~440V Dc vol. 480V-780V	 Solar panel:270W*76PCS Solar panel:330W*60PCS



wings
P U M P S

CERTIFIED
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ISO 45001
ISO 50001



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