

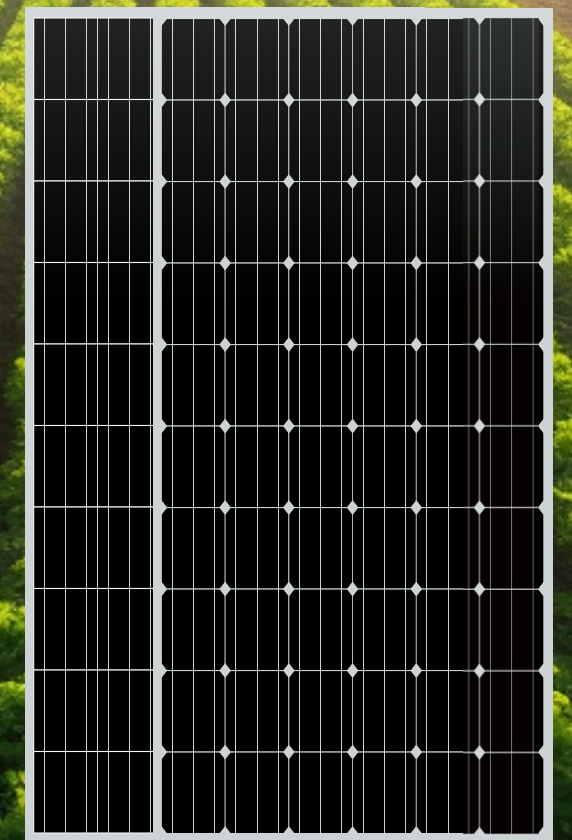
605117
STOCK CODE



HADWM

SMART SOLAR PUMPING SOLUTIONS

CE ISO9000



Zhejiang Deye HVAC Technology Co.,LTD

No.568, South Rixian Road, Binhai Economic Development Zone Cixi,
Ningbo, Zhejiang, 315300, P.R. China

+86-574-6370-2560

info@deyesolarhvac.com

<https://www.deyesolarhvac.com/>
<https://www.deye-hvac.com/>



Stand-alone
Power supply



Solar Mppt



SVPWM Control



Digital PFC



IP65



Six Protection



LCD Display



Smart Power Meter

Providing You with Comfortable and Intelligent Pump Solutions

Deye's pump spans residential, agricultural, and livestock sectors

Deye Technology Co., Ltd. is a comprehensive tech manufacturing enterprise, integrating R&D, design, production, sales, and service. It operates modern intelligent production facilities in Ningbo, Jiaxing, and other locations, spanning over 600,000 square meters with complete production and testing equipment.

Listed on the Shanghai Stock Exchange in April 2021.

Deye is committed to continuous innovation with significant R&D capabilities in Shanghai and Ningbo, employing over 500 top-tier researchers and thousands of technical staff.

600000m²
Total Area

5000+
Employees

2021
A-Share Listed





10+
Overseas Service
Centers



120+
Countries



4M+
Equipment in
Operation

Our Factory

1 Innovation Center

4 Production Bases

50B Planned Annual Output Value
Before 2030

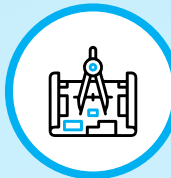


End-to-End Energy Services for the Entire Lifecycle

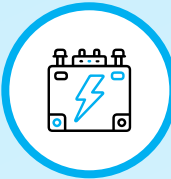
Deye offers comprehensive solar energy and environmental solutions throughout the entire lifecycle,utilizing advanced R&D, high-quality products, big data, and strategic insights. Services encompassinvestment analysis, technical design, supporting products, professional construction, and intelligentoperations and maintenance.



One-Stop Full Process
Preliminary Data Collection
On-Site Investigation
Expert Proposal Analysis



Technical Design
Preliminary Project Design
Technical Solution Calculation
Development Intent Confirmation
Signing Relevant Agreements
Project Filing Support



Supporting Products
Core R&D Team
Inverters and Energy Storage Products
Deye HVAC and Dehumidification Products
Equipment Commissioning
Product Shipping



Professional Construction
On-Site Construction
Grid Connection Application
Deye Cloud Platform
Grid Operation



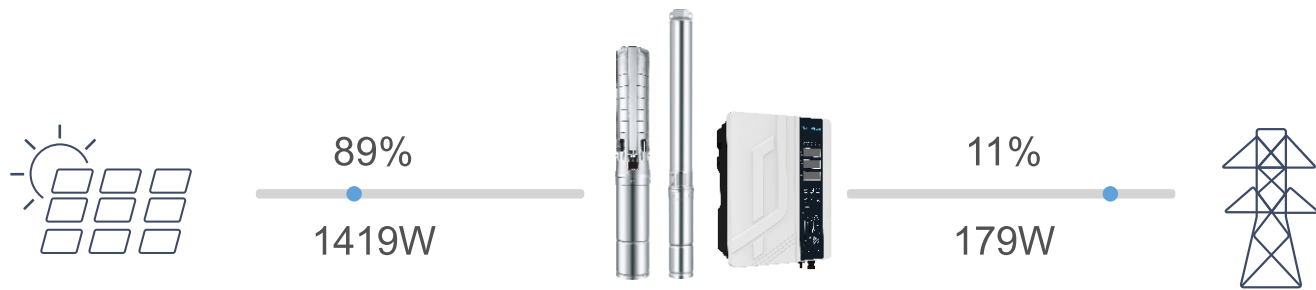
Intelligent Maintenance
Core Software Team
Intelligent System Monitoring
Data Analytics and Optimization
Cost and Revenue Calculation
Multi-Site Deployment

One-Stop Full Process
Project Implementation with Full-Service



Intelligent Power Compensation Function

Automatically prioritizes and maximizes the use of solar energy



Core Advantages of the Solar Pump

304 Stainless Steel Construction: Durable, corrosion-resistant, food-grade, and fully recyclable for various applications.

High-Speed Motor: The motor achieves a genuine 4500 RPM, showcasing superior technical capabilities.

Optimal Flow Path Design: Optimized flow path design ensures more stable loads and higher efficiency.

Precise Temperature Rise Control: With a 28K temperature rise design, the system reduces operating temperatures, enhancing motor stability and lifespan.

Food-Grade Materials: Impeller and motor oil meet food-grade standards for safety.

High-Temperature Copper Wire: Constructed with 180°C resistant copper wire, boasting insulation class F.

Advanced Controller Features

Automatic Compensation Function: Automatically engages AC power for supplementary supply when DC power is insufficient.

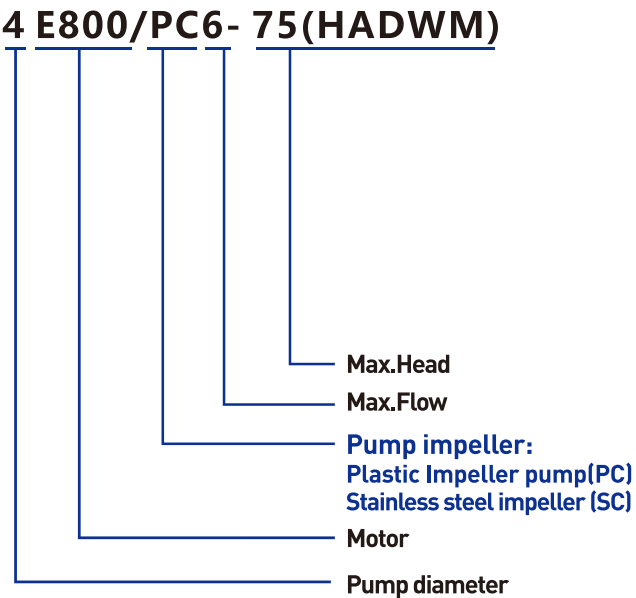
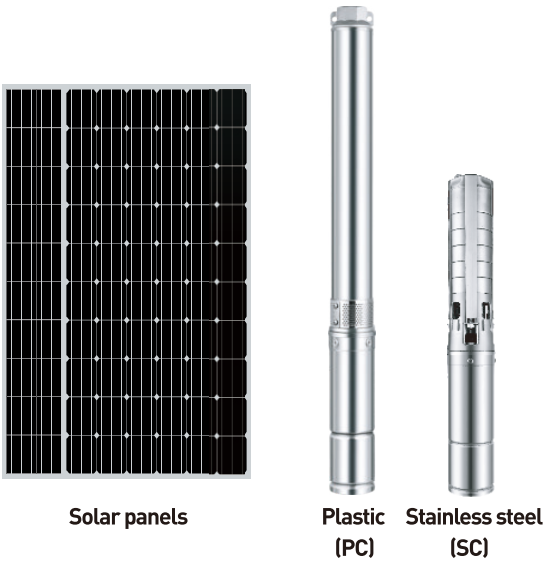
Efficient Energy Management: Equipped with MPPT technology to maximize solar energy usage and minimize energy waste.

Ultra-Low Power Solar Utilization Operates efficiently even with solar power as low as 1W, eliminating resource waste and maximizing the value of every watt of solar energy.

Motor Drive Intelligent Protection Adopts innovative smart protection technology to ensure the motor never burns out, solving the common industry problem and providing higher operational safety.

Comprehensive Protections: Includes safeguards against over-voltage, under-voltage, over-current, phase loss, short circuit, water shortage, and high temperatures.

Additional Benefits
Warranty: Comes with a 2-year warranty for peace of mind



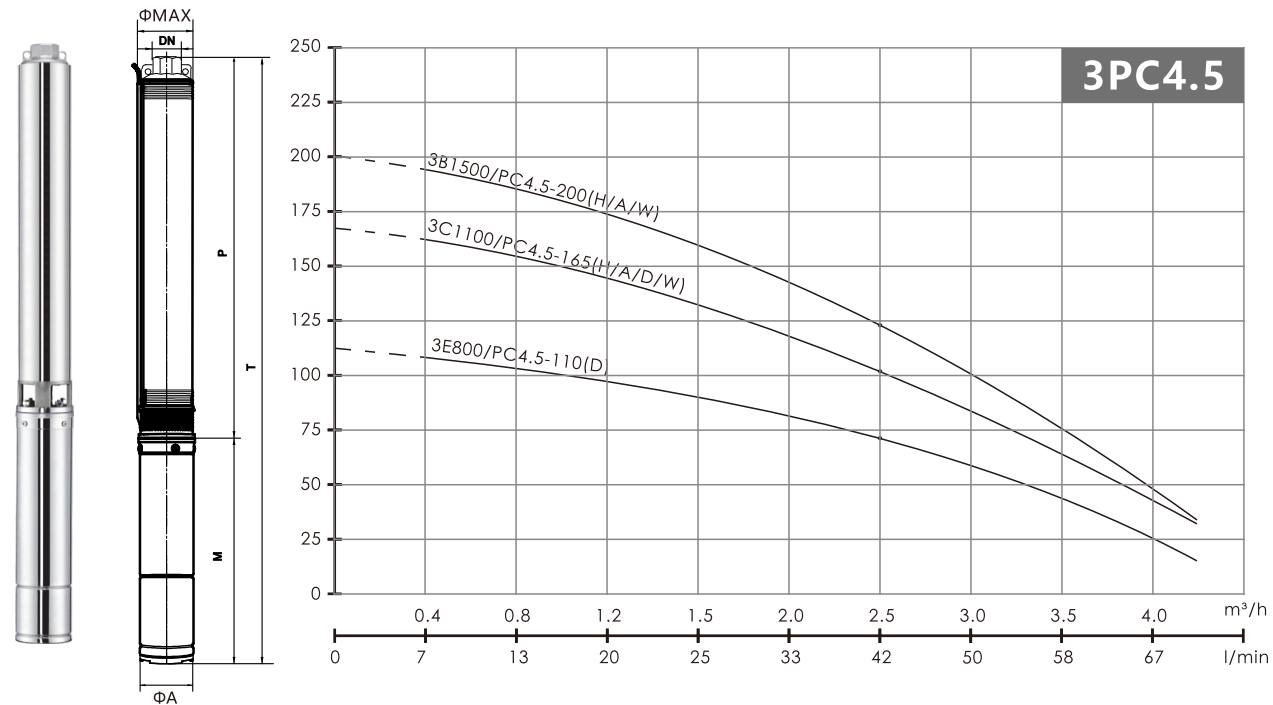
- Applications
 - For water supply from wells or reservoirs
 - For domestic use,for civil and industrial applications
 - For garden use and irrigation
- Operating conditions
 - Maximum fluid temperature up to +35°
 - Maximum sand content : 0.25%
 - Minimum well diameter : 4"
- Motor and Pump
- NEMA dimension standards
- Warranty: 2 years (according to our general sales conditions)

Components	Material
Pummp external casing	AISI 304 SS
Delivery casing	① Cast-iror ② Cast-Cu ASTM C8850 ③ AISI 304 SS
Suction lantern	① Cast-iror ② Cast-Cu ASTM C8850 ③ AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	① Cast-iror ② Cast-Cu ASTM ③ AISI 304 SS
Bottom support	① AISI 304 SS
Mechanical sea	Special seal for deep well (Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

HADWM Series
Intelligent Energy Control Solutions for pumps

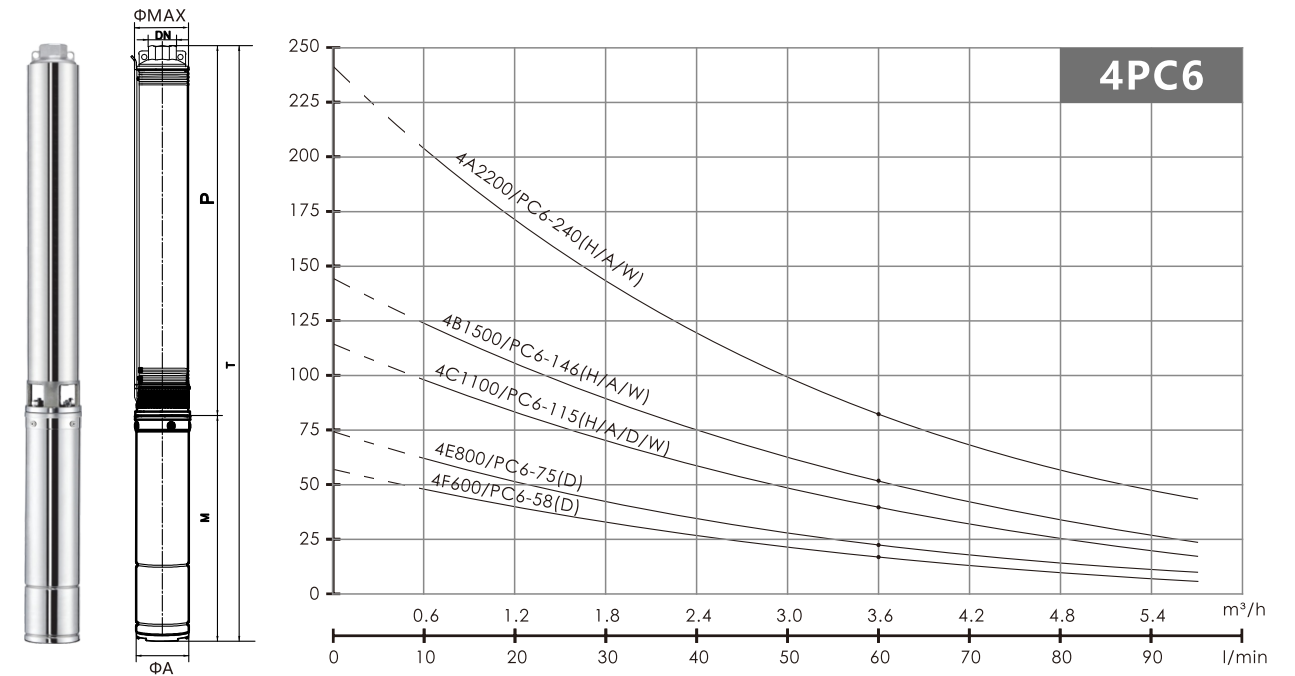


- H Series | Hybrid Solar-Priority Power Controller** - Prioritizes solar energy and intelligently supplements with AC when needed, optimizing renewable power usage.
- A Series | Auto-Switching Power Controller** - Seamlessly switches between AC and DC to ensure uninterrupted operation.
- D Series | Standard DC Controller** - Designed for stable DC power input, suitable for fixed-voltage DC applications.
- W Series | Wide Voltage DC Controller** - Supports a broad DC voltage range, ideal for variable DC power sources.
- M Series| Manual-Switching Power Controller** - Allows manual selection between AC and DC power sources for specific needs.



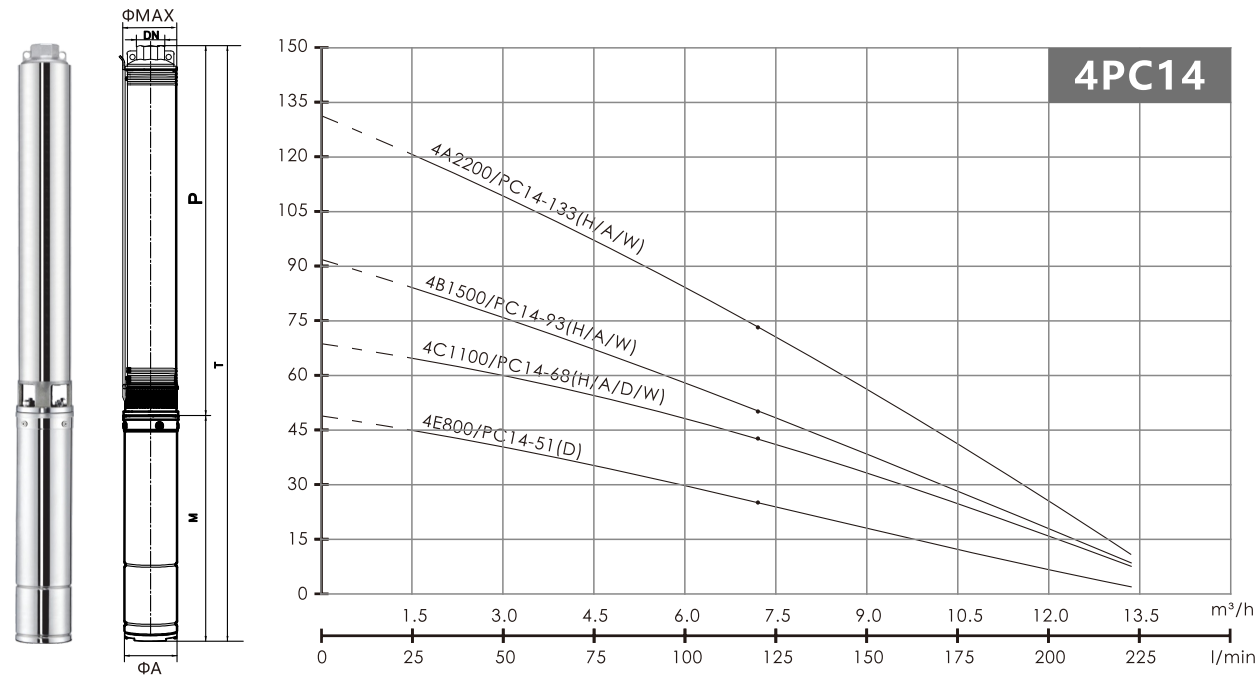
MODEL	VOLTAGE	POWER		DELIVERY $n_{\max} \approx 4500 \text{ rpm}$											
		kW	HP	Q	m³/h	0	0.4	0.8	1.2	1.5	2.0	2.5	3.0	3.4	4.2
					l/min	0	7	13	20	25	33	42	50	57	70
					us gpm	0	29	59	88	110	147	183	220	249	308
3E800/PC4.5-110(D)	90V	0.8	1.1	H(m)	110	103	100	97	90	81	70	58	45	16	
3C1100/PC4.5-165(H/A/D/W)	120V	1.1	1.5		165	152	143	140	132	116	102	87	68	32	
3B1500/PC4.5-200(H/A/W)	160V	1.5	2		200	188	184	174	164	144	122	103	83	34	

MODEL	DIMENSION(mm)			WEIGHT(kg)			DN	ΦA (mm)	Φ MAX (mm)	Recommended Solar Panel Configurations (≥1.3*PUMP POWER)		
	P	M	T	P	M	T				Quantity (pcs)	Power (W)	Connection
3E800/PC4.5-110(D)	470	258	728	2.3	3.5	5.8	1¼"	73	75	2	570	
3C1100/PC4.5-165(H/A/D/W)	562	278	840	2.7	4.0	6.7				3	540	
3B1500/PC4.5-200(H/A/W)	701	298	999	3.3	4.6	7.9				4	510	



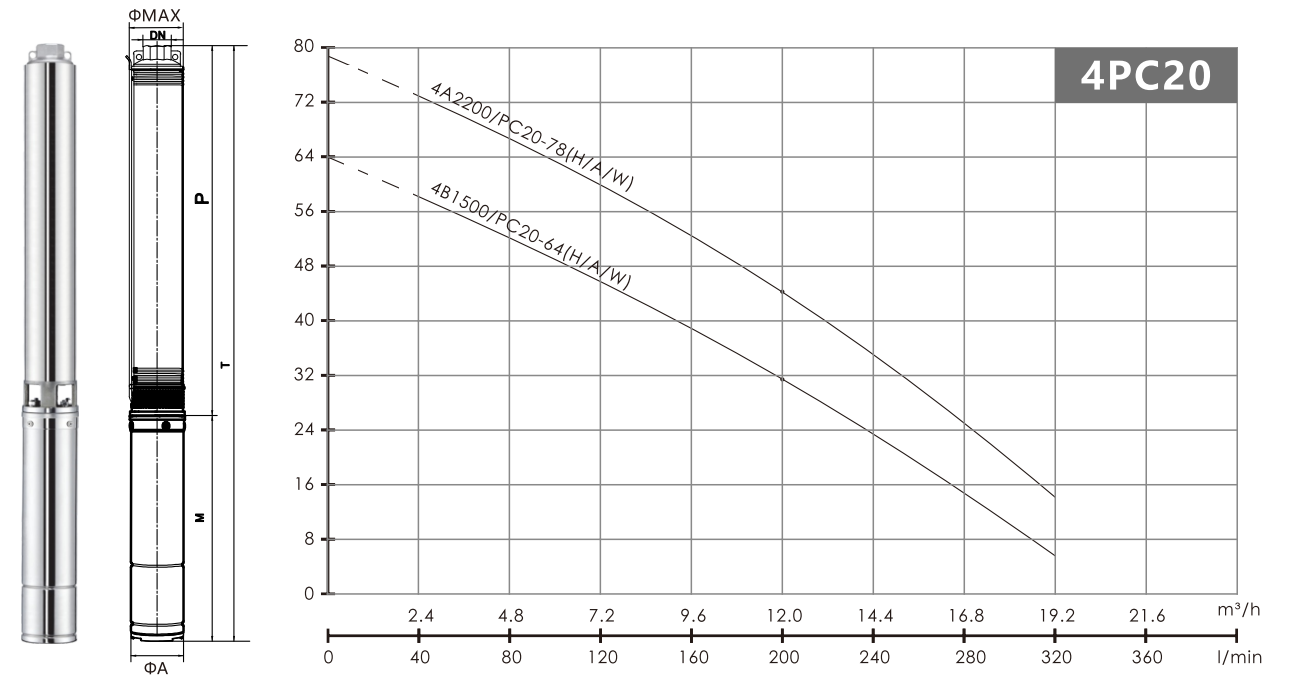
MODEL	VOLTAGE	POWER		DELIVERY $n_{\max} \approx 4500 \text{ rpm}$													
		kW	HP	Q	m³/h	0	0.9	1.8	2.1	2.7	3.0	3.6	4.0	4.5	5.0	5.4	5.7
					l/min	0	15	30	35	45	50	60	67	75	83	90	95
					us gpm	0	66	132	154	198	220	264	294	330	367	396	418
4F600/PC6-58(D)	60V	0.6	0.8	H(m)	58	53	48	46	41	37	31	26	19	13	7	5	
4E800/PC6-75(D)	90V	0.8	1.1		75	68	63	60	54	51	44	38	31	21	15	10	
4C1100/PC6-115(H/A/D/W)	120V	1.1	1.5		115	109	100	94	83	78	68	60	48	38	27	19	
4B1500/PC6-146(H/A/W)	160V	1.5	2		146	131	119	114	104	97	87	75	62	43	32	24	
4A2200/PC6-240(H/A/W)	220V	2.2	3		240	220	195	180	168	150	132	120	88	68	48	38	

MODEL	DIMENSION(mm)			WEIGHT(kg)			DN	ΦA (mm)	Φ MAX (mm)	Recommended Solar Panel Configurations (≥1.3*PUMP POWER)		
	P	M	T	P	M	T				Quantity (pcs)	Power (W)	Connection
4F600/PC6-58(D)	290	260	550	2.6	5.0	7.6	1½"	95	100	2	415	
4E800/PC6-75(D)	315	269	584	2.8	5.5	8.3				2	570	
4C1100/PC6-115(H/A/D/W)	394	284	678	3.2	6.3	9.5				3	540	
4B1500/PC6-146(H/A/W)	444	309	753	3.8	7.3	11.1				4	510	
4A2200/PC6-240(H/A/W)	539	329	868	4.3	8.0	12.3				6	470	



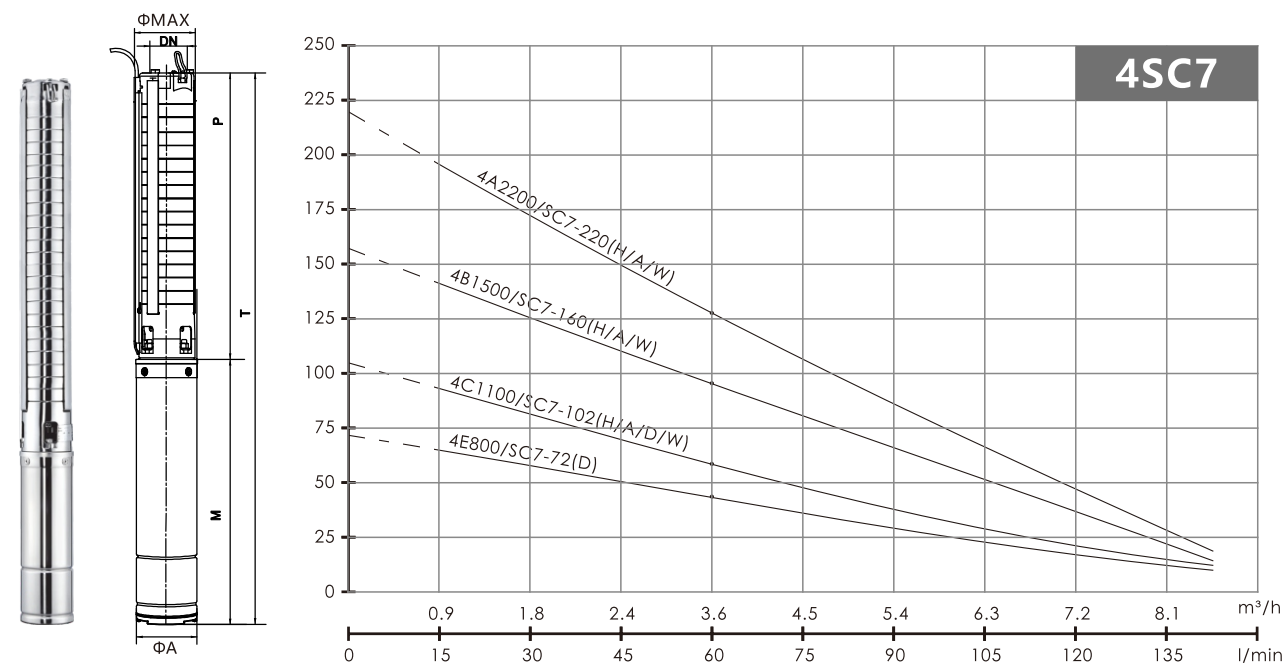
MODEL	VOLTAGE	POWER		DELIVERY $n_{\max} \approx 4500 \text{ rpm}$									
		kW	HP	Q	m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	13.2
					l/min	0	30	60	90	120	150	180	220
					us gpm	0	132	264	396	528	660	793	969
4E800/PC14-51(D)	90V	0.8	1.1	H(m)	51	43	38	33	26	19	12	2	
4C1100/PC14-68(H/A/D/W)	120V	1.1	1.5		68	61	56	50	41	31	23	8	
4B1500/PC14-93(H/A/W)	160V	1.5	2		93	81	73	65	51	35	26	9	
4A2200/PC14-133(H/A/W)	220V	2.2	3		133	116	104	92	73	54	36	11	

MODEL	DIMENSION(mm)			WEIGHT(kg)			DN	Φ A (mm)	Φ MAX (mm)	Recommended Solar Panel Configurations (≥1.3*PUMP POWER)		
	P	M	T	P	M	T				Quantity (pcs)	Power (W)	Connection
4E800/PC14-51(D)	307	269	576	2.5	5.5	8.0	2"	95	100	2	570	
4C1100/PC14-68(H/A/D/W)	341	284	625	2.8	6.3	9.1				3	540	
4B1500/PC14-93(H/A/W)	442	309	751	3.4	7.3	10.7				4	510	
4A2200/PC14-133(H/A/W)	511	329	840	3.8	8.0	11.8				6	470	



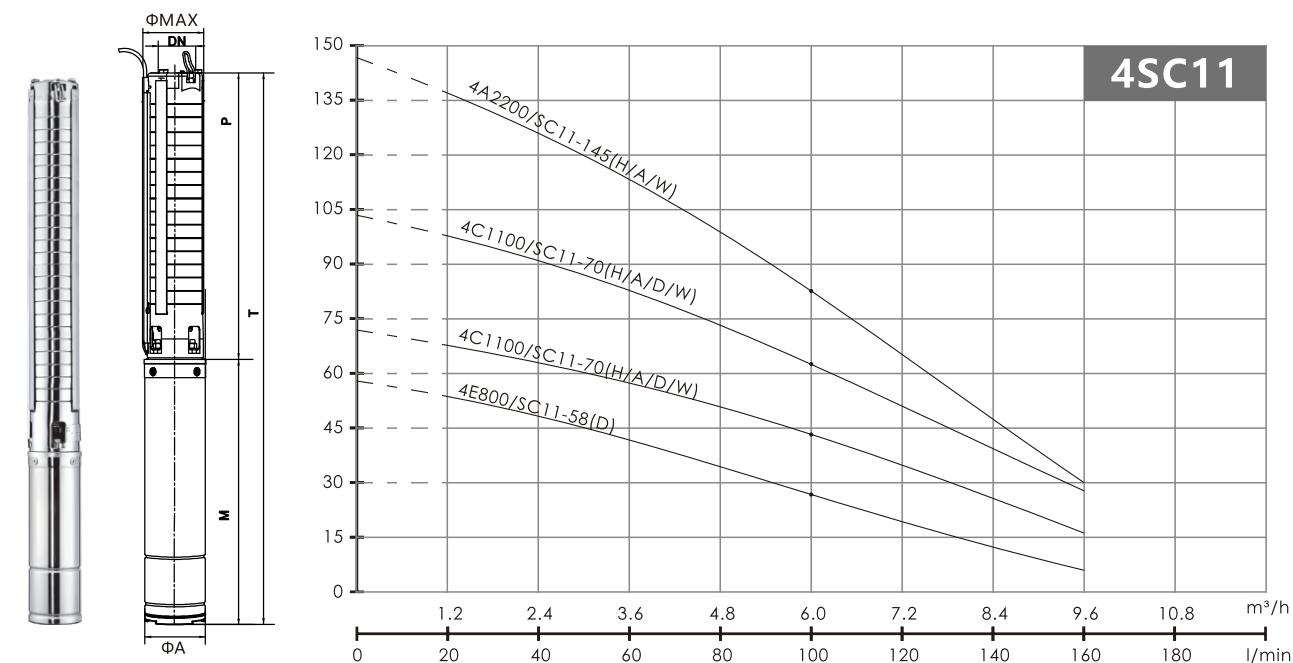
MODEL	VOLTAGE	POWER		DELIVERY $n_{\max} \approx 4500 \text{ rpm}$										
		kW	HP	Q	m³/h	0	2.4	4.8	7.2	9.6	12.0	14.4	16.8	19.2
					l/min	0	40	80	120	160	200	240	280	320
					us gpm	0	176	352	528	704	881	1057	1233	1409
4B1500/PC20-64(H/A/W)	160V	1.5	2	H(m)	64	58	48	42	36	31	24	16	6	
4A2200/PC20-78(H/A/W)	220V	2.2	3		78	77	68	60	52	44	35	25	14	

MODEL	DIMENSION(mm)			WEIGHT(kg)			DN	ΦA (mm)	Φ MAX (mm)	Recommended Solar Panel Configurations (≥1.3*PUMP POWER)		
	P	M	T	P	M	T				Quantity (pcs)	Power (W)	Connection
4B1500/PC20-64(H/A/W)	372	309	681	3.7	7.3	11.0	2"	95	100	4	510	
4A2200/PC20-78(H/A/W)	448	329	777	3.9	8.0	11.9	2½"※			6	470	



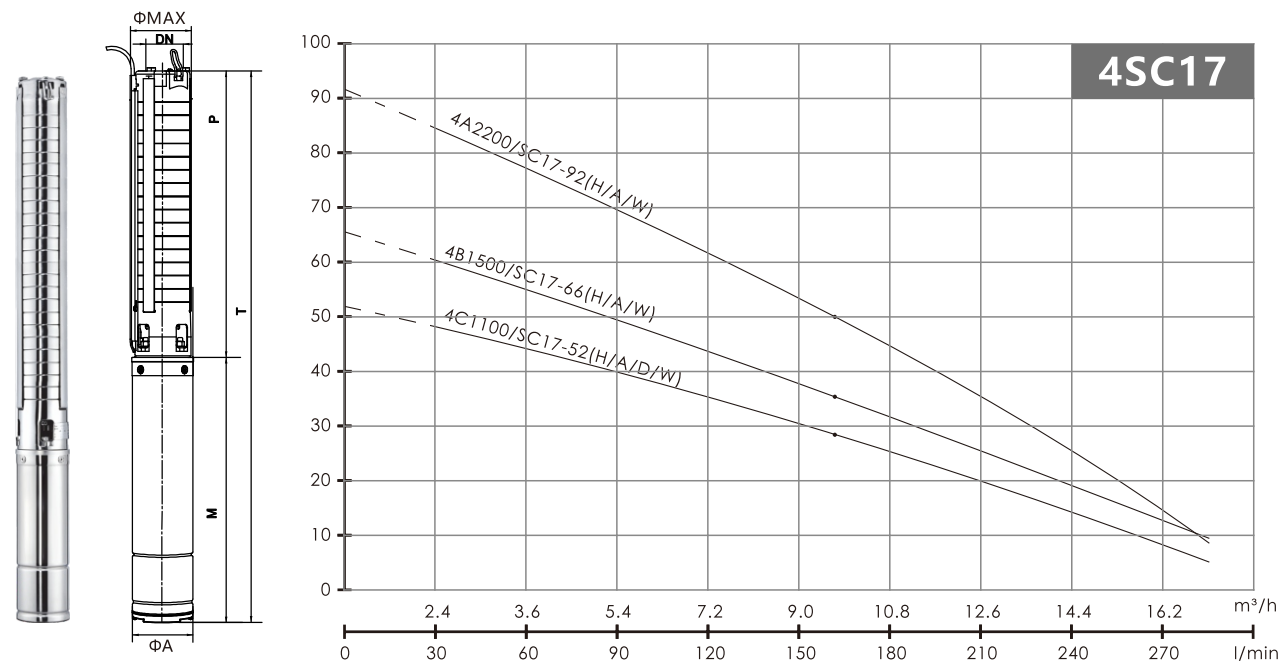
MODEL	VOLTAGE	POWER		DELIVERY $n_{max} \approx 4500 \text{ rpm}$									
		kW	HP	Q	m³/h	0	0.9	1.8	2.4	3.6	4.5	5.4	6.3
					l/min	0	15	30	45	60	75	90	105
					us gpm	0	66	132	198	264	330	396	462
4E800/SC7-72(D)	90V	0.8	1.1	H(m)	72	67	61	51	46	36	27	17	9
4C1100/SC7-102(H/A/D/W)	120V	1.1	1.5		102	96	100	78	60	47	34	20	12
4B1500/SC7-160(H/A/W)	160V	1.5	2		160	151	130	116	90	70	49	28	15
4A2200/SC7-220(H/A/W)	220V	2.2	3		220	215	190	168	128	100	73	40	20

MODEL	DIMENSION(mm)			WEIGHT(kg)			DN	Φ A (mm)	Φ MAX (mm)	Recommended Solar Panel Configurations (≥1.3*PUMP POWER)		
	P	M	T	P	M	T				Quantity (pcs)	Power (W)	Connection
4E800/SC7-72(D)	260	269	529	2.3	5.5	7.8	1½"	95	100	2	570	
4C1100/SC7-102(H/A/D/W)	302	284	586	2.8	6.3	9.1				3	540	
4B1500/SC7-160(H/A/W)	386	309	695	3.6	7.3	10.9				4	510	
4A2200/SC7-220(H/A/W)	470	329	799	4.5	8.0	12.5				6	470	



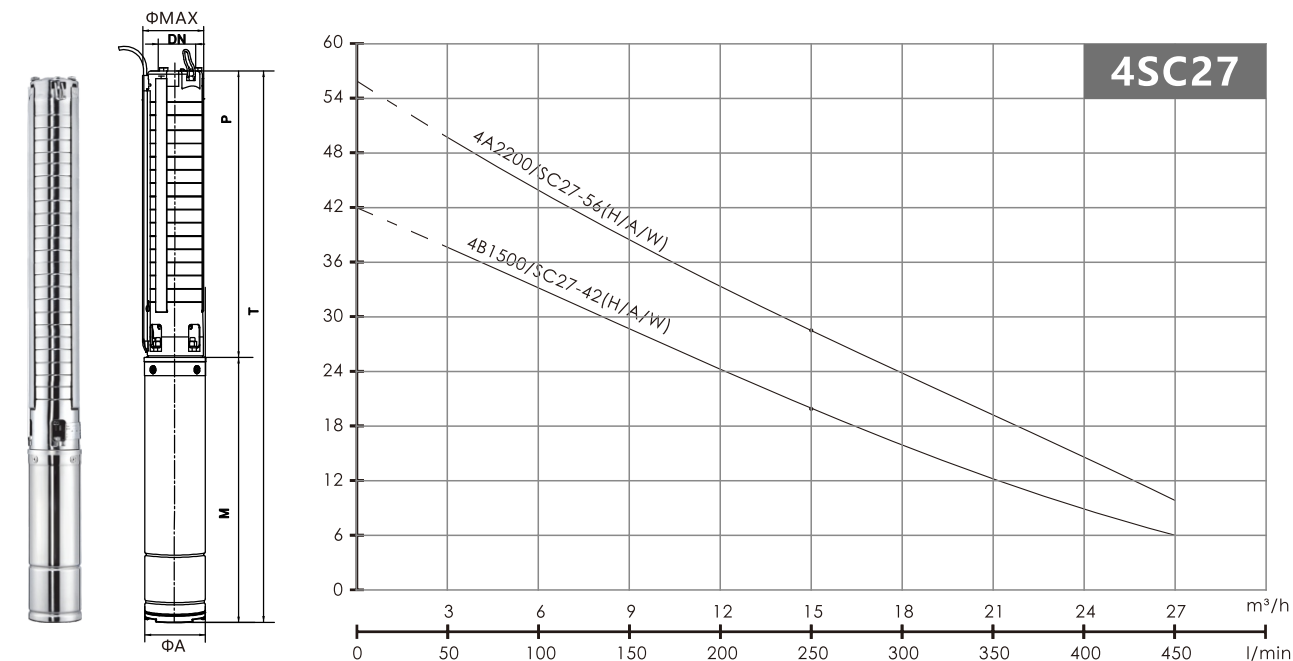
MODEL	VOLTAGE	POWER		DELIVERY $n_{max} \approx 4500 \text{ rpm}$									
		kW	HP	Q	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
					l/min	0	20	40	60	80	100	120	140
					us gpm	0	88	176	264	352	440	528	616
4E800/SC11-58(D)	90V	0.8	1.1	H(m)	58	55	53	43	34	27	21	14	6
4C1100/SC11-70(H/A/D/W)	120V	1.1	1.5		70	67	65	59	50	41	34	26	17
4B1500/SC11-104(H/A/W)	160V	1.5	2		104	100	90	84	72	62	51	40	28
4A2200/SC11-145(H/A/W)	220V	2.2	3		145	137	131	115	98	81	65	49	30

MODEL	DIMENSION(mm)			WEIGHT(kg)			DN	Φ A (mm)	Φ MAX (mm)	Recommended Solar Panel Configurations (≥1.3*PUMP POWER)		
	P	M	T	P	M	T				Quantity (pcs)	Power (W)	Connection
4E800/SC11-58(D)	251	269	520	2.2	5.5	7.7	1½"	95	100	2	570	
4C1100/SC11-70(H/A/D/W)	275	284	559	2.4	6.3	8.7				3	540	
4B1500/SC11-104(H/A/W)	323	309	632	2.8	7.3	10.1				4	510	
4A2200/SC11-145(H/A/W)	395	329	724	3.6	8.0	11.6				6	470	



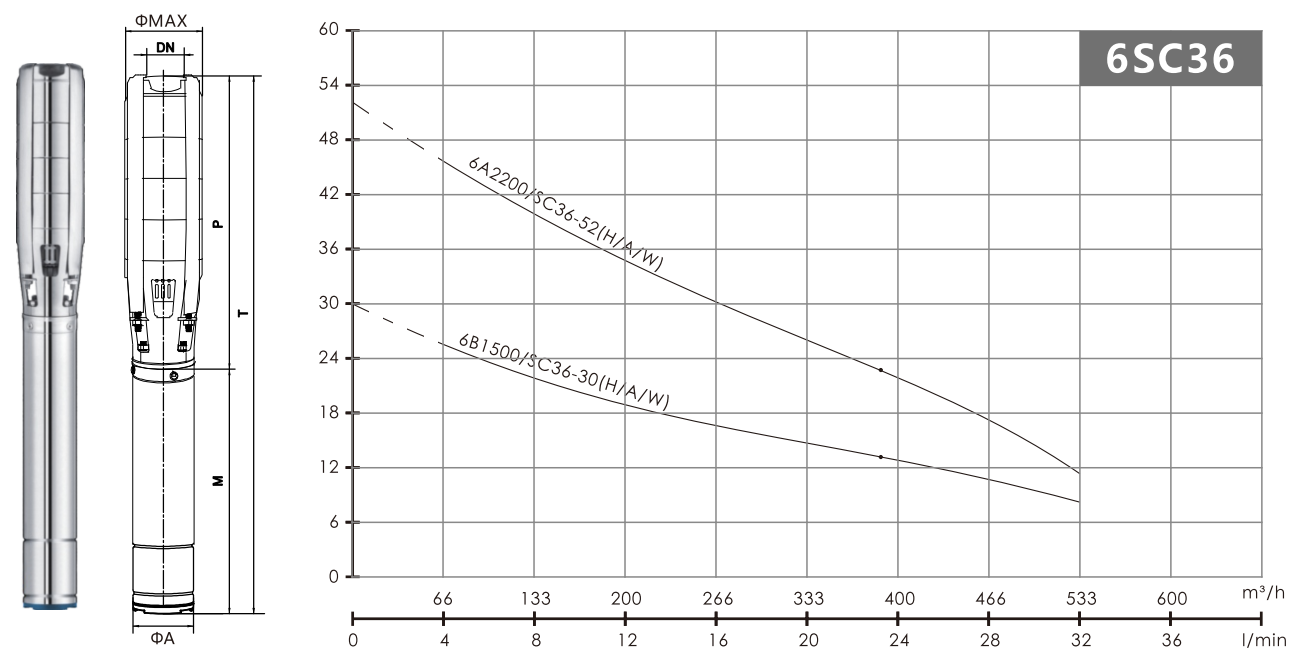
MODEL	VOLTAGE	POWER		DELIVERY $n_{max} \approx 4500 \text{ rpm}$									
		kW	HP	Q	m³/h	0	2.4	4.8	7.2	9.6	12.0	14.4	16.8
					l/min	0	40	80	120	160	200	240	280
					us gpm	0	176	352	528	704	881	1057	1233
4C1100/SC17-52(H/A/D/W)	120V	1.1	1.5	H(m)	52	50	43	34	28	21	13	5	
4B1500/SC17-66(H/A/W)	160V	1.5	2		66	62	55	44	36	29	19	9	
4A2200/SC17-92(H/A/W)	220V	2.2	3		92	88	76	61	50	39	27	8	

MODEL	DIMENSION(mm)			WEIGHT(kg)			DN	ΦA (mm)	Φ MAX (mm)	Recommended Solar Panel Configurations (≥1.3*PUMP POWER)		
	P	M	T	P	M	T				Quantity (pcs)	Power (W)	Connection
4C1100/SC17-52(H/A/D/W)	373	284	657	4.1	6.3	10.4	2"	95	100	3	540	
4B1500/SC17-66(H/A/W)	415	309	724	4.4	7.3	11.7				4	510	
4A2200/SC17-92(H/A/W)	499	329	828	5.1	8.0	13.1				6	470	



MODEL	VOLTAGE	POWER		DELIVERY $n_{max} \approx 4500 \text{ rpm}$													
		kW	HP	Q	m³/h	0	3	6	9	12	15	18	21	24	27		
					l/min	0	50	100	150	200	250	300	350	400	450		
					us gpm	0	220	440	660	881	1101	1321	1541	1761	1981		
4B1500/SC27-42(H/A/W)	160V	1.5	2	H(m)	42	41	34	29	24	20	16	13	9	6			
4A2200/SC27-56(H/A/W)	220V	2.2	3		56	55	49	40	34	28	23	18	12	10			

MODEL	DIMENSION(mm)			WEIGHT(kg)			DN	ΦA (mm)	Φ MAX (mm)	Recommended Solar Panel Configurations (≥1.3*PUMP POWER)		
	P	M	T	P	M	T				Quantity (pcs)	Power (W)	Connection
4B1500/SC27-42(H/A/W)	349	309	658	4.5	7.3	11.8	2"	95	100	4	510	
4A2200/SC27-56(H/A/W)	399	329	728	4.9	8.0	12.9				6	470	



MODEL	VOLTAGE	POWER		DELIVERY $n_{\max} \approx 4500 \text{ rpm}$											
		kW	HP	Q	m³/h	0	5	10	18	20	23	25	28	30	33
					l/min	0	83	167	300	333	383	417	467	500	550
					us gpm	0	367	734	1321	1468	1688	1835	2055	2201	2422
6B1500/SC36-30(H/A/W)	160V	1.5	2	H(m)	30	27	23	17	16	14	13	11	10	8	
6A2200/SC36-52(H/A/W)	220V	2.2	3		52	45	37	27	25	22	19	16	14	10	

MODEL	DIMENSION(mm)			WEIGHT(kg)			DN	Φ_A (mm)	Φ_{MAX} (mm)	Recommended Solar Panel Configurations ($\geq 1.3 \times \text{PUMP POWER}$)		
	P	M	T	P	M	T				Quantity (pcs)	Power (W)	Connection
6B1500/SC36-30(H/A/W)	325	309	634	3.7	7.3	11.0	3"	95	145	4	510	
6A2200/SC36-52(H/A/W)	380	329	709	4.9	8.0	12.9	4"※	95	145	6	470	

Prameter of HADWM series solar controller



HADWN Series	MODEL	Recom mended Power (W)	Power limitation (W)	Adaptable Pump (Rated Voltage)	Max.Input Current (A)	Max.Open Circuit Voltage (V)	MPPT Voltage Range (V)	AC Voltage (V)	Working Temperature (°C)	WEIGHT(kg)		DIMENSION(mm)		
										N.W	G.W	L	W	H
H	DYDC-AD-1100	1100	1700	120	14	<410	80-410	136-264	-15~60	7	8.15	500	390	180
H	DYDB-AD-1500	1500	2050	160	14	<410	80-410	136-264	-15~60	7	8.15	500	390	180
H	DYDA-AD-2200	2200	2850	220	14	<410	80-410	136-264	-15~60	7	8.15	500	390	180
A	DYDC-A/D-1100	1100	1700	120	20	<430	108-430	100-264	-15~60	2.3	2.7	290	240	130
A	DYDB-A/D-1500	1500	2050	160	20	<430	108-430	100-264	-15~60	2.3	2.7	290	240	130
A	DYDA-A/D-2200	2200	2850	220	20	<430	108-430	100-264	-15~60	2.3	2.7	290	240	130
D	DYDF-48-900	800	900	60	18	<110	30-110	/	-15~60	1.3	1.5	285	220	125
D	DYDE-72-1300	1100	1200	90	18	<165	50-165	/	-15~60	1.3	1.5	285	220	125
D	DYDC-96-1500	1500	1700	120	18	<220	60-220	/	-15~60	1.3	1.5	285	220	125
W	DYDC-HV-1100	1100	1700	120	20	<430	108-430	/	-15~60	2.3	2.7	290	240	130
W	DYDB-HV-1500	1500	2050	160	20	<430	108-430	/	-15~60	2.3	2.7	290	240	130
W	DYDA-HV-2200	2200	2850	220	20	<430	108-430	/	-15~60	2.3	2.7	290	240	130