

UKSOLAR
POWER
UK'S GLOBAL SOLAR SHOP

SOLAR PUMP

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🌐 <https://www.uksolarpower.com>

2021
PRODUCT CATALOG
CE © ISO9001

COMPANY PROFILE

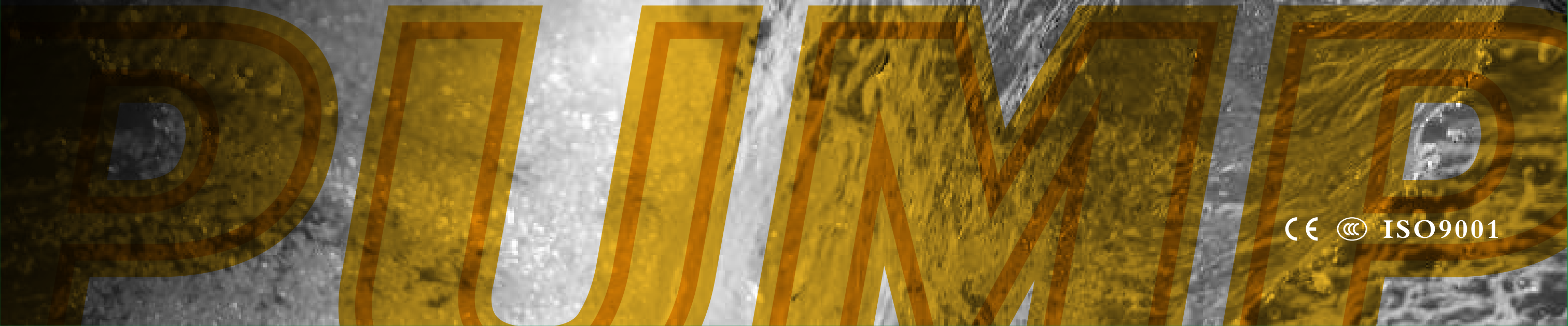
UK Solar Power is a quality-backed British owned and registered company that manufactures and installs British & European standard solar products globally.

Born in 2014, when UK Solar Power's founders came together to create a brand (UK Solar Power) to fit the niche they spotted in the market. Following many years of working within senior teams on development phases and being involved in the commissioning of several large domestic and commercial projects globally, the team of highly-experienced Directors felt they could provide the renewable energy market with a quality-assured brand that offers customers the very best British products, delivered and installed on a global scale.

In recent years UK Solar Power has expanded and now offer services and products in most areas of renewable energy including the installation of Electric Vehicle charging points and UK PV solar Maintenance and installation.

Today UK Solar Power offers a wide range of products to suit many of the domestic and commercial needs for renewable energy. Every solution is delivered using the very best quality, service and expertise available, the team which has expanded globally are on hand to support and advise you of the best solution available.

BELIEVE IN THE
POWER OF BRAND



Catalog



Large Flow
Gao Yangcheng



All-copper motor coil



Low noise



High efficiency
and energy saving



Super durability

UKSOLAR
POWER
UK'S GLOBAL SOLAR SHOP



1-12

**SOLAR SUBMERSIBLE
PUMP SERIES**

3UKS

4UKS

3UKHS

3UKHS

3UKC

4UKC

3UKIC

4UKIC

4/6UKIC

13-22

**AC/DC HYBRID SOLAR
PUMP SERIES**

3UKC-A/D

4UKC-A/D

3UKIC-A/D

4UKIC-A/D

4/6UKIC-A/D

23-28

**SOLAR SURFACE
PUMP SERIES**

UKSP

UKSP-A/D

UKHF

UKHF-A/D

UKQB

29-34

**ECONOMICAL
CONTROLLERSOLAR
PUMP SERIES**

3UKS-E

4UKS-E

3UKC-E

4UKC-E

UKQD-E

35-39

**HUGE POWER
SOLAR PUMP INVERTER**

UKPI

40-42

**AC Deep Well Pump
for Huge Power Solar
Pumping System**

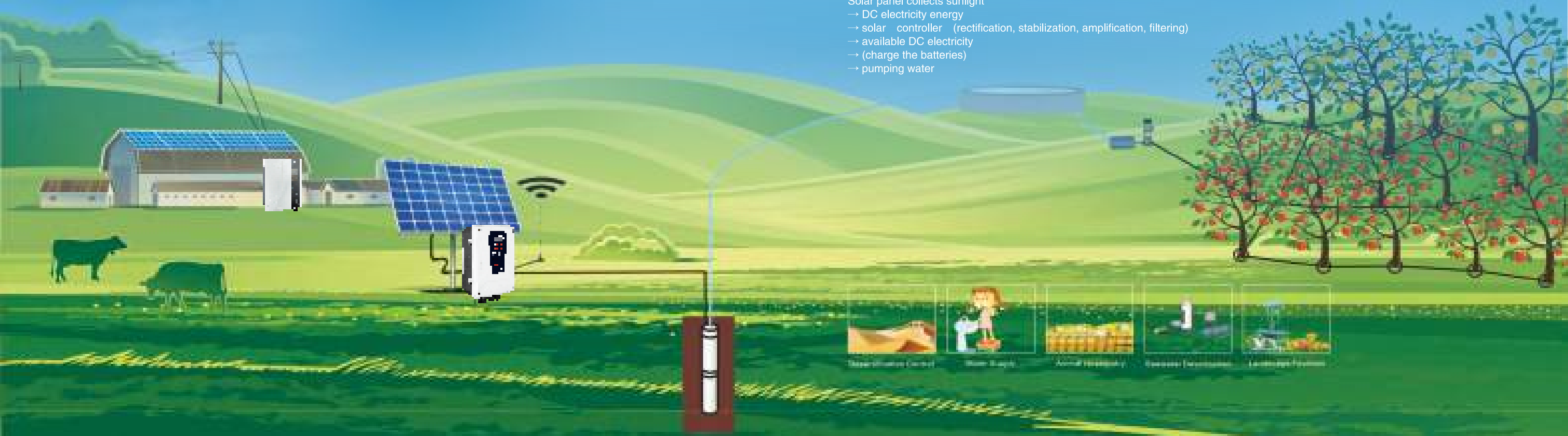
43-46

**Solar Panel
recommendation**

SOLAR PUMPING SYSTEM

Solar pumping system mainly consists of PV modules, solar pumping controller / inverter and water pumps, Solar panels convert sunlight to electrical energy which is passed to the solar pump controller, The solar controller stabilizes the voltage and output power to drive the pump motor, Even on cloudy days, it can pump 10% water flow per day. Sensors are also connected to the controller to protect the pump from running dry as well as to automatically stop the pump working when the tank is full.

- Solar panel collects sunlight
- DC electricity energy
- solar controller (rectification, stabilization, amplification, filtering)
- available DC electricity
- (charge the batteries)
- pumping water



EUKC Economical
Mppt Controller



UKCO DC
Mppt Controller



UKCO AC/DC Hybrid
Mppt Controller



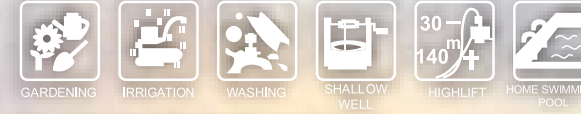
UKPI Solar
Pump Inverter

■ Solar Water Pump System Complete Set

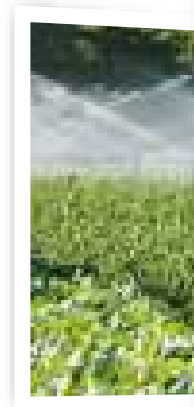
1. Solar pump with 5m cable, longer cable is available if required
2. MPPT & DSP Controller
3. Water level sensor or float switch
4. Other Accessories: Outlet / MC4 PV Cable Connector / PTFE Tape / Electric tape / screwdriver / Pipe hoop / Water pipe connector
5. Nylon Rope to hang the pump
6. Screw or Impeller for replace
7. Installation Manual
8. Solar panels are option

SOLAR SUBMERSIBLE PUMP SERIES

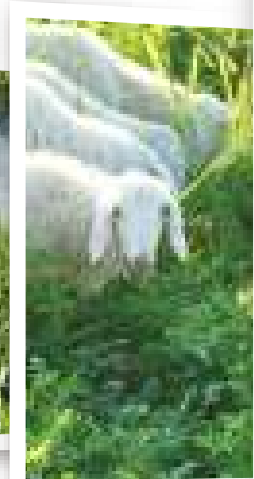
APPLICATION



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



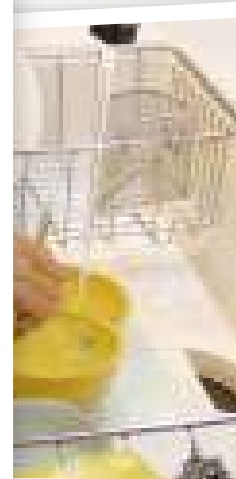
Irrigation



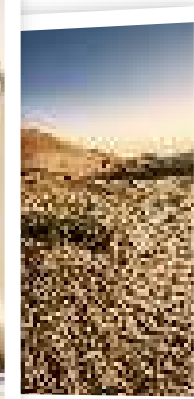
Stock farming



Fountain



Drinking water



Ecological management

PERFORMANCE DATA

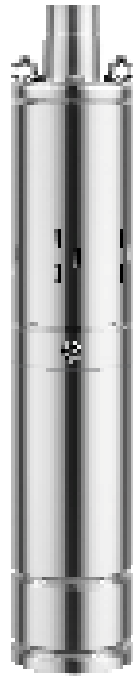
Item	UKCO_50VOC-D24/200	UKCO_100VOC-D36/350	UKCO_100VOC-D48/500	UKCO_150VOC-D72/750	UKCO_200VOC-D96/1000	UKCO_200VOC-D110/1500
Rated Voltage	24V DC	36 VDC	48V DC	72V DC	96V DC	110V DC
Rated Current	10A	12A	13.5A	15A	10A	10A
Biggest open voltage (VOC)	50V DC	100V DC	100V DC	150V DC	200V DC	200V DC
Max Power	360W	600W	900W	1500W	1800W	2200W
Voltage	Under Voltage	18.0 ± 0.2VDC	22.0 ± 0.2VDC	32.0 ± 0.2VDC	42.0 ± 0.2VDC	60.0 ± 0.2VDC
	Best Working Voltage	29 ± 0.2VDC	36 ± 0.2VDC	58 ± 0.2VDC	82 ± 0.2VDC	108 ± 0.2VDC
Current	Overload	20A	20A	20A	20A	20A
	Over current	25A	25A	25A	25A	25A
Dimension	260*195*85mm	260*195*85mm	260*195*85mm	260*195*85mm	260*195*85mm	260*195*85mm
Weight	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg
Ambient Temperature	-20°C+50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C
Adaptive Solar Panel	Peak Voltage	29.8VDC	35.6VDC	29.8VDC	35.6VDC	35.6VDC
	Open-circuit Voltage	36.9VDC	43.5VDC	36.9VDC	43.5VDC	43.5VDC

3UKS
Solar Submersible Pump Series

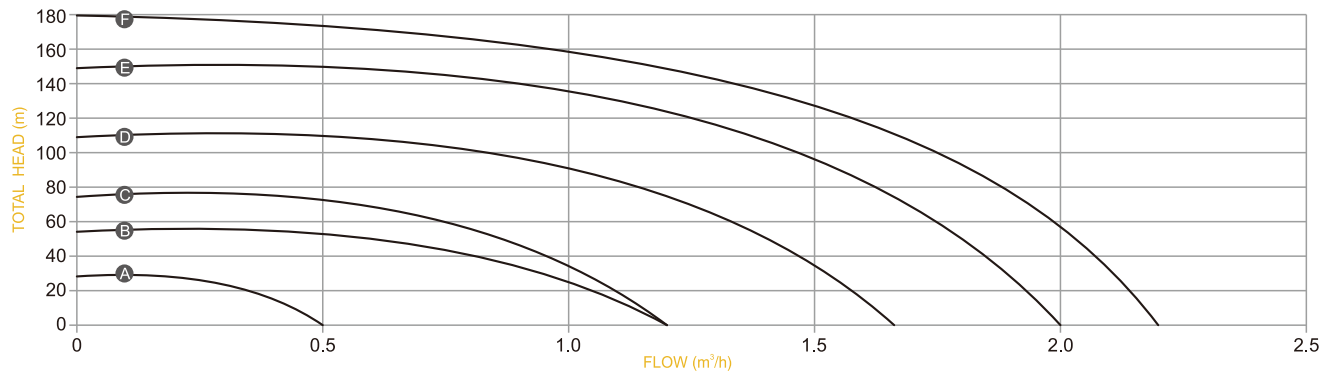
ADVANCED TECHNOLOGY



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



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	3UKS0.5-28-12-80	12V	20V-36V	80W	0.5m³/h	28m	0.75"	2m	< 50V	≥1.3*PUMP POWER
B	3UKS1.2-56-24-120	24V	30V-48V	120W	1.2m³/h	56m	0.75"	2m	< 50V	≥1.3*PUMP POWER
C	3UKS1.2-77-36-210	36V	30V-48V	210W	1.2m³/h	77m	0.75"	2m	< 50V	≥1.3*PUMP POWER
D	3UKS1.7-109-48-500	48V	60V-90V	500W	1.7m³/h	109m	0.75"	2m	< 100V	≥1.3*PUMP POWER
E	3UKS2.0-150-72-750	72V	90V-120V	750W	2.0m³/h	150m	0.75"	2m	< 150V	≥1.3*PUMP POWER
F	3UKS2.2-180-110-1100	110V	110-150V	1100W	2.2m³/h	180m	0.75"	2m	< 200V	≥1.3*PUMP POWER

4UKS
Solar Submersible Pump Series

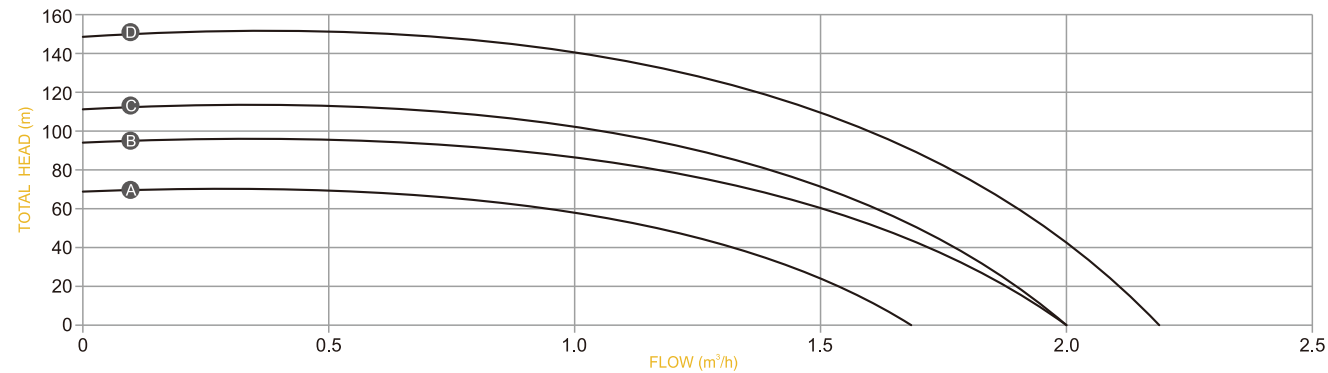
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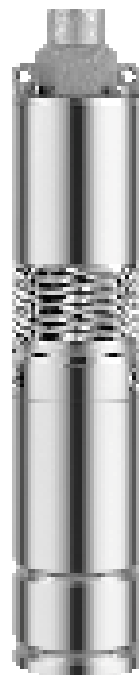
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKS1.7-70-48-500	48V	60V-90V	500W	1.7m³/h	70m	1"	2m	< 100V	≥1.3*PUMP POWER
B	4UKS2.0-95-72-750	72V	90V-120V	750W	2.0m³/h	95m	1"	2m	< 150V	≥1.3*PUMP POWER
C	4UKS2.0-110-110-1100	110V	110V-150V	1100W	2.0m³/h	110m	1"	2m	< 200V	≥1.3*PUMP POWER
D	4UKS2.2-150-110-1300	110V	110V-150V	1300W	2.2m³/h	150m	1"	2m	< 200V	≥1.3*PUMP POWER

3UKHS
Solar Submersible Pump Series

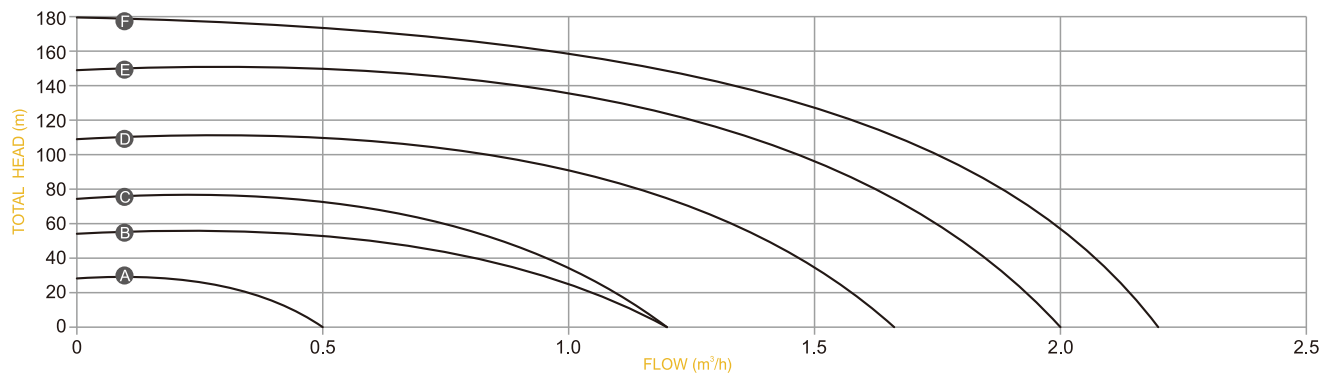
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PERFORMANCE CURVES AND DATA



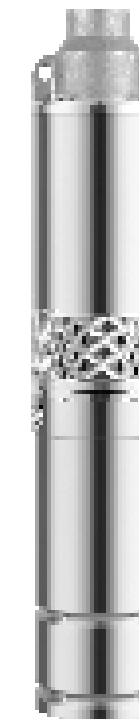
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	3UKHS0.5-28-12-80	12V	20V-36V	80W	0.5m³/h	28m	0.75"	2m	< 50V	≥1.3*PUMP POWER
B	3UKHS1.2-56-24-120	24V	30V-48V	120W	1.2m³/h	56m	0.75"	2m	< 50V	≥1.3*PUMP POWER
C	3UKHS1.2-77-36-210	36V	30V-48V	210W	1.2m³/h	77m	0.75"	2m	< 50V	≥1.3*PUMP POWER
D	3UKHS1.7-109-48-500	48V	60V-90V	500W	1.7m³/h	109m	0.75"	2m	< 100V	≥1.3*PUMP POWER
E	3UKHS2.0-150-72-750	72V	90V-120V	750W	2.0m³/h	150m	0.75"	2m	< 150V	≥1.3*PUMP POWER
F	3UKHS2.2-180-110-1100	110V	110-150V	1100W	2.2m³/h	180m	0.75"	2m	< 200V	≥1.3*PUMP POWER

4UKHS
Solar Submersible Pump Series

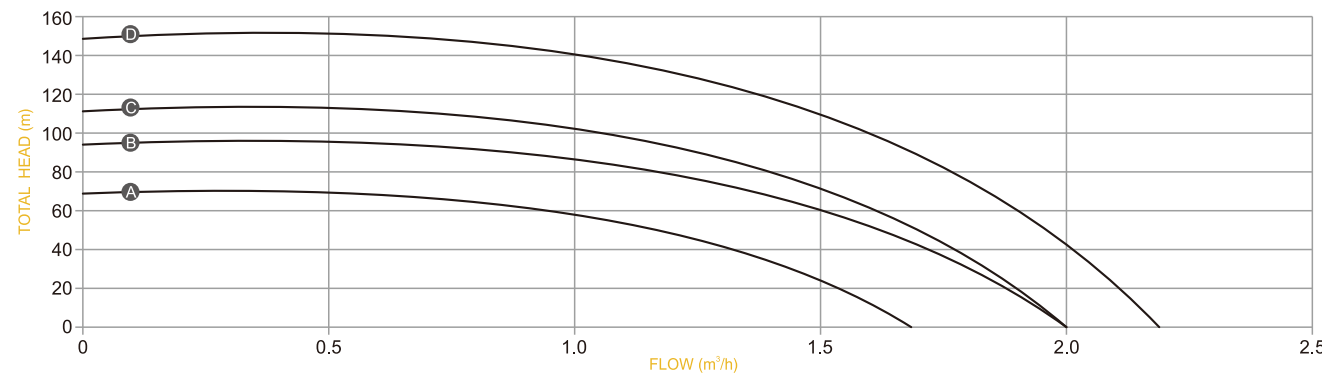
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No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKHS1.7-70-48-500	48V	60V-90V	500W	1.7m³/h	70m	1"	2m	< 100V	≥1.3*PUMP POWER
B	4UKHS2.0-95-72-750	72V	90V-120V	750W	2.0m³/h	95m	1"	2m	< 150V	≥1.3*PUMP POWER
C	4UKHS2.0-110-110-1100	110V	110V-150V	1100W	2.0m³/h	110m	1"	2m	< 200V	≥1.3*PUMP POWER
D	4UKHS2.2-150-110-1300	110V	110V-150V	1300W	2.2m³/h	150m	1"	2m	< 200V	≥1.3*PUMP POWER

3UKC
Solar Submersible Pump Series

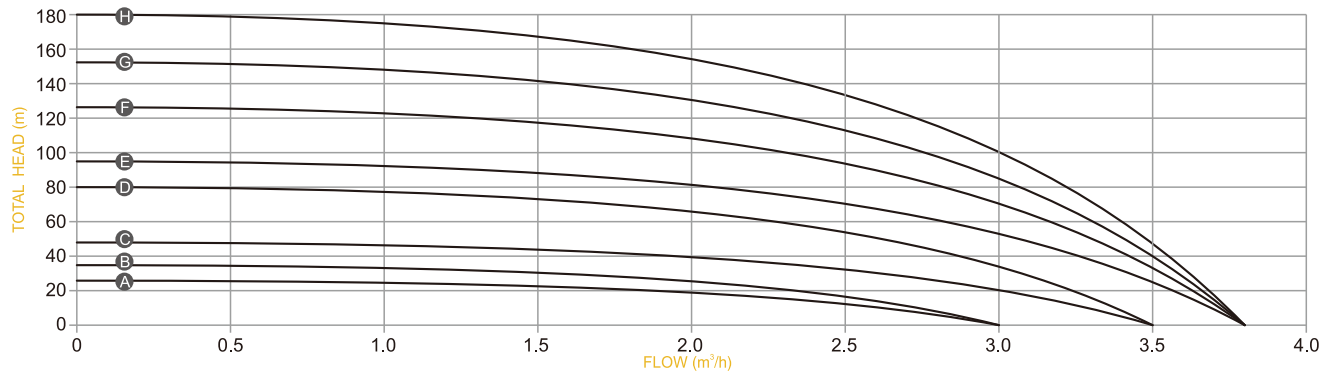
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PERFORMANCE CURVES AND DATA



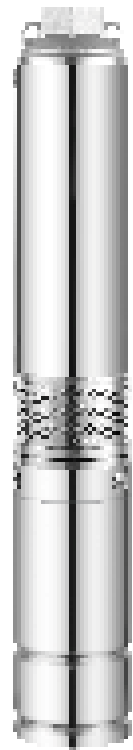
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	3UKC3-25-24-200	24V	30V-48V	200W	3.0m³/h	25m	1.25"	2m	< 50V	≥1.3*PUMP POWER
B	3UKC3-35-24-300	24V	30V-48V	300W	3.0m³/h	35m	1.25"	2m	< 50V	≥1.3*PUMP POWER
C	3UKC3.5-47-48-400	48V	60V-90V	400W	3.5m³/h	47m	1.25"	2m	< 100V	≥1.3*PUMP POWER
D	3UKC3.5-80-72-600	72V	90V-120V	600W	3.5m³/h	80m	1.25"	2m	< 150V	≥1.3*PUMP POWER
E	3UKC3.5-95-72-750	72V	90V-120V	750W	3.5m³/h	95m	1.25"	2m	< 150V	≥1.3*PUMP POWER
F	3UKC3.8-123-110-1100	110V	110-150V	1100W	3.8m³/h	123m	1.25"	2m	< 200V	≥1.3*PUMP POWER
G	3UKC3.8-155-110-1300	110V	110-150V	1300W	3.8m³/h	155m	1.25"	2m	< 200V	≥1.3*PUMP POWER
H	3UKC3.8-180-110-1500	110V	110-150V	1500W	3.8m³/h	180m	1.25"	2m	< 200V	≥1.3*PUMP POWER

3UKC
Solar Submersible Pump Series

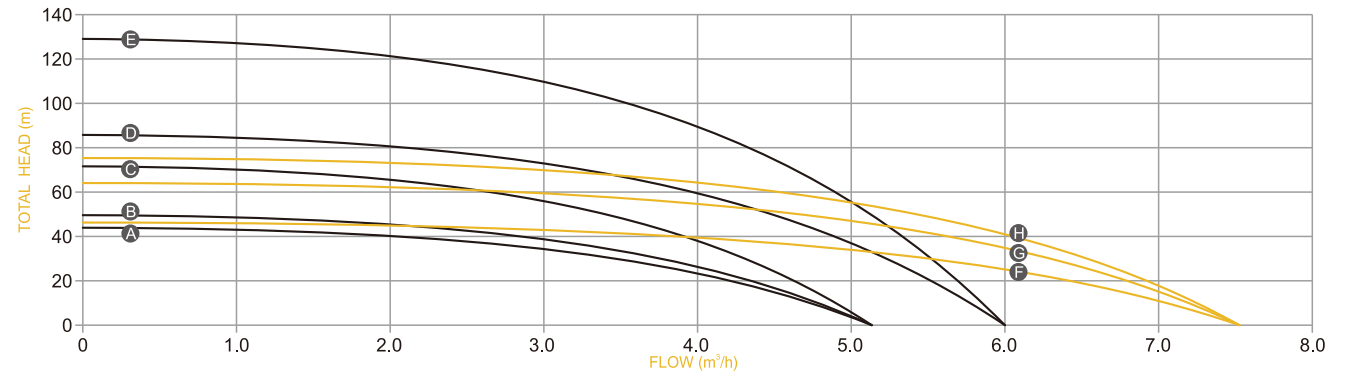
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									Open circuit voltage (VOC)	Power
A	3UKC5.2-45-48-500	48V	60V-90V	500W	5.2m³/h	45m	1.5"	2m	< 100V	≥1.3*PUMP POWER
B	3UKC5.2-50-72-600	72V	90V-120V	600W	5.2m³/h	50m	1.5"	2m	< 150V	≥1.3*PUMP POWER
C	3UKC5.2-75-72-750	72V	90V-120V	750W	5.2m³/h	75m	1.5"	2m	< 150V	≥1.3*PUMP POWER
D	3UKC6-84-110-1100	110V	110V-150V	1100W	6.0m³/h	84m	1.5"	2m	< 200V	≥1.3*PUMP POWER
E	3UKC6-125-110-1500	110V	110V-150V	1500W	6.0m³/h	125m	1.5"	2m	< 200V	≥1.3*PUMP POWER
F	3UKC7.5-43-72-750	72V	90V-120V	750W	7.5m³/h	43m	1.5"	2m	< 150V	≥1.3*PUMP POWER
G	3UKC7.5-62-110-1100	110V	110V-150V	1100W	7.5m³/h	62m	1.5"	2m	< 200V	≥1.3*PUMP POWER
H	3UKC7.5-78-110-1500	110V	110V-150V	1500W	7.5m³/h	78m	1.5"	2m	< 200V	≥1.3*PUMP POWER

4UKC
Solar Submersible Pump Series

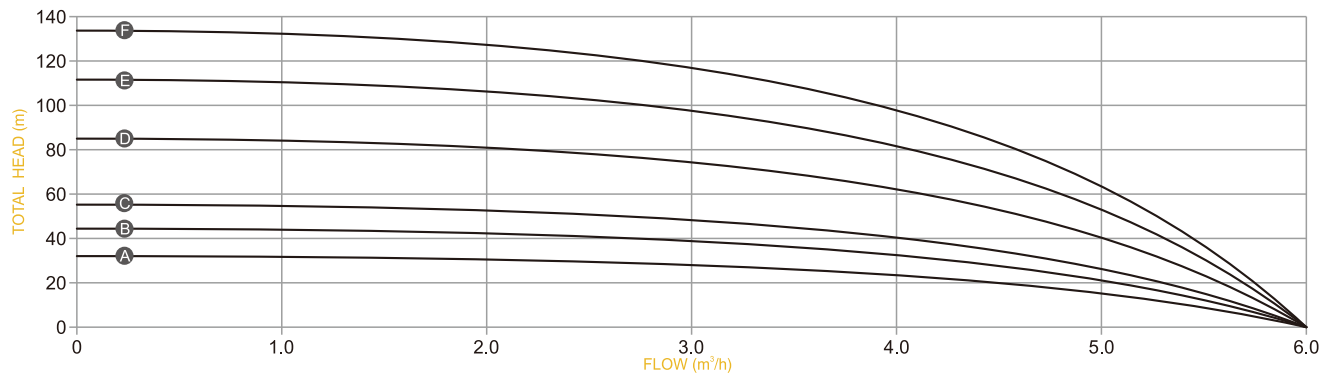
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No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKC6-32-48-400	48V	60V-90V	400W	6.0m³/h	32m	1.25"	2m	< 100V	≥1.3*PUMP POWER
B	4UKC6-42-72-600	72V	90V-120V	600W	6.0m³/h	42m	1.25"	2m	<150V	≥1.3*PUMP POWER
C	4UKC6-56-72-750	72V	90V-120V	750W	6.0m³/h	56m	1.25"	2m	<150V	≥1.3*PUMP POWER
D	4UKC6-84-110-1100	110V	110V-150V	1100W	6.0m³/h	84m	1.25"	2m	<200V	≥1.3*PUMP POWER
E	4UKC6-112-110-1300	110V	110V-150V	1300W	6.0m³/h	112m	1.25"	2m	<200V	≥1.3*PUMP POWER
F	4UKC6-135-110-1500	110V	110V-150V	1500W	6.0m³/h	135m	1.25"	2m	<200V	≥1.3*PUMP POWER

4UKC
Solar Submersible Pump Series

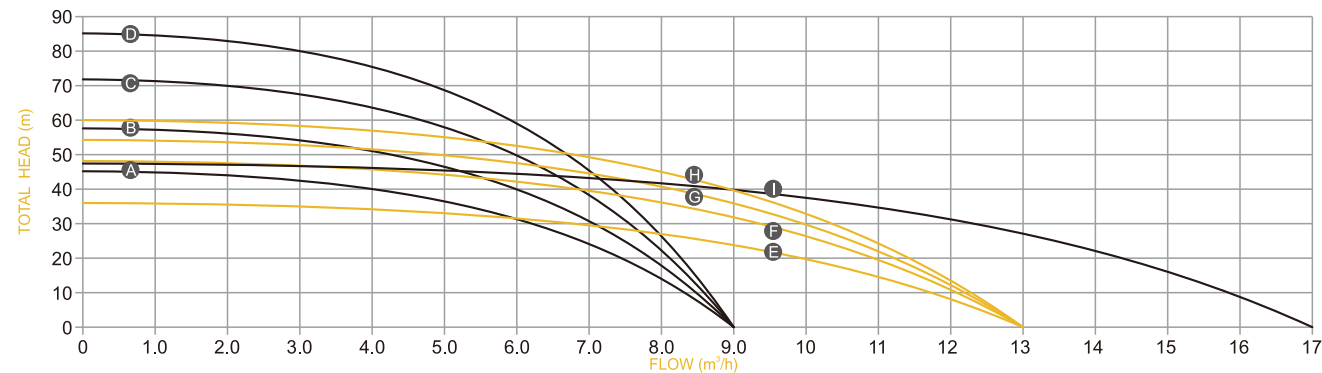
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									Open circuit voltage (VOC)	Power
A	4UKC9-45-110-750	110V	110V-150V	750W	9.0m³/h	45m	2"	2m	< 200V	≥1.3*PUMP POWER
B	4UKC9-58-110-1100	110V	110V-150V	1100W	9.0m³/h	58m	2"	2m	<200V	≥1.3*PUMP POWER
C	4UKC9-71-110-1300	110V	110V-150V	1300W	9.0m³/h	71m	2"	2m	<200V	≥1.3*PUMP POWER
D	4UKC9-85-110-1500	110V	110V-150V	1500W	9.0m³/h	85m	2"	2m	<200V	≥1.3*PUMP POWER
E	4UKC13-36-110-750	110V	110V-150V	750W	13m³/h	36m	2"	2m	<200V	≥1.3*PUMP POWER
F	4UKC13-49-110-1100	110V	110V-150V	1100W	13m³/h	49m	2"	2m	<200V	≥1.3*PUMP POWER
G	4UKC13-54-110-1300	110V	110V-150V	1300W	13m³/h	54m	2"	2m	<200V	≥1.3*PUMP POWER
H	4UKC13-60-110-1500	110V	110V-150V	1500W	13m³/h	60m	2"	2m	<200V	≥1.3*PUMP POWER
I	4UKC17-48-110-1500	110V	110V-150V	1500W	17m³/h	48m	2"	2m	<200V	≥1.3*PUMP POWER

3UKIC
Solar Submersible Pump Series

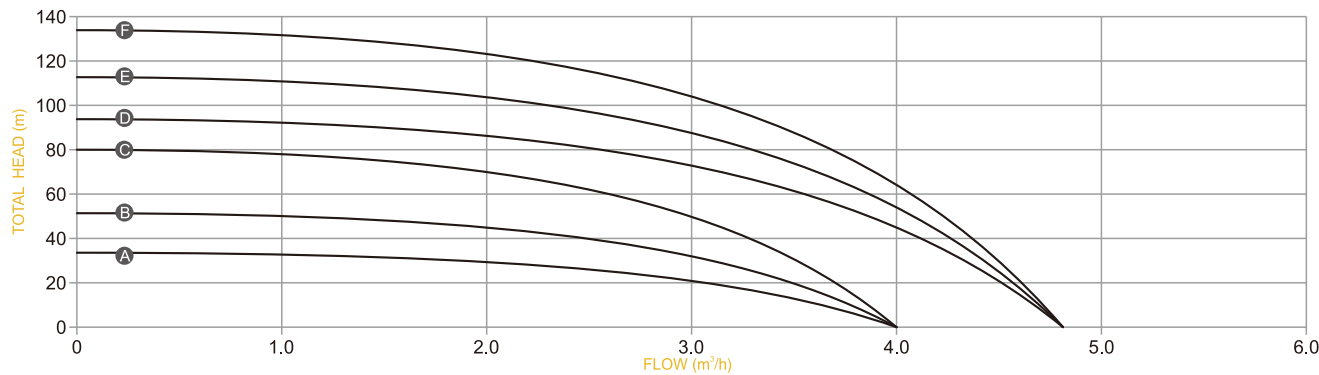
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									Open circuit voltage (VOC)	Power
A	3UKIC4-35-24-300	24V	30V-48V	300W	4.0m³/h	35m	1.25"	2m	< 50V	≥1.3*PUMP POWER
B	3UKIC4-50-48-400	48V	60V-90V	400W	4.0m³/h	50m	1.25"	2m	<100V	≥1.3*PUMP POWER
C	3UKIC4-80-72-600	72V	90V-120V	600W	4.0m³/h	80m	1.25"	2m	<150V	≥1.3*PUMP POWER
D	3UKIC4.8-95-72-750	72V	90V-120V	750W	4.8m³/h	95m	1.25"	2m	<150V	≥1.3*PUMP POWER
E	3UKIC4.8-112-110-1100	110V	110V-150V	1100W	4.8m³/h	112m	1.25"	2m	<200V	≥1.3*PUMP POWER
F	3UKIC4.8-135-110-1500	110V	110V-150V	1500W	4.8m³/h	135m	1.25"	2m	<200V	≥1.3*PUMP POWER

4UKIC
Solar Submersible Pump Series

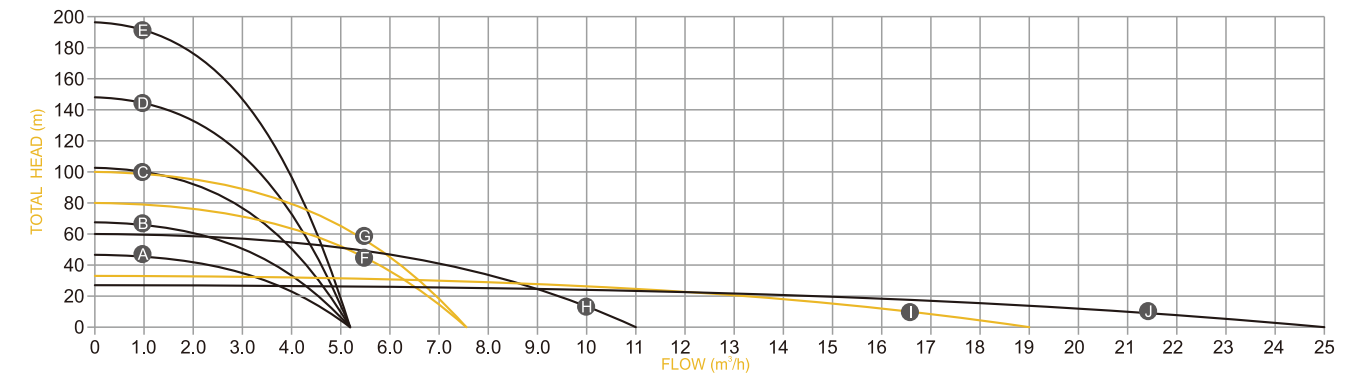
ADVANCED TECHNOLOGY



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



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKIC5.2-45-48-500	48V	60V-90V	500W	5.2m³/h	45m	1.25"	2m	< 100V	≥1.3*PUMP POWER
B	4UKIC5.2-67-72-750	72V	90V-120V	750W	5.2m³/h	67m	1.25"	2m	<150V	≥1.3*PUMP POWER
C	4UKIC5.2-101-110-1100	110V	110V-150V	1100W	5.2m³/h	101m	1.25"	2m	<200V	≥1.3*PUMP POWER
D	4UKIC5.2-146-110-1300	110V	110V-150V	1300W	5.2m³/h	146m	1.25"	2m	<200V	≥1.3*PUMP POWER
E	4UKIC5.2-198-110-1500	110V	110V-150V	1500W	5.2m³/h	198m	1.25"	2m	<200V	≥1.3*PUMP POWER
F	4UKIC7.5-80-110-1300	110V	110V-150V	1300W	7.5m³/h	80m	1.25"	2m	<200V	≥1.3*PUMP POWER
G	4UKIC7.5-100-110-1500	110V	110V-150V	1500W	7.5m³/h	100m	1.25"	2m	<200V	≥1.3*PUMP POWER
H	4UKIC11-60-110-1500	110V	110V-150V	1500W	11m³/h	60m	2"	2m	<200V	≥1.3*PUMP POWER
I	4UKIC19-35-110-1500	110V	110V-150V	1500W	19m³/h	35m	2"	2m	<200V	≥1.3*PUMP POWER
J	4UKIC25-26-110-1500	110V	110V-150V	1500W	25m³/h	26m	2"	2m	<200V	≥1.3*PUMP POWER

4/6UKIC
Solar Submersible Pump Series

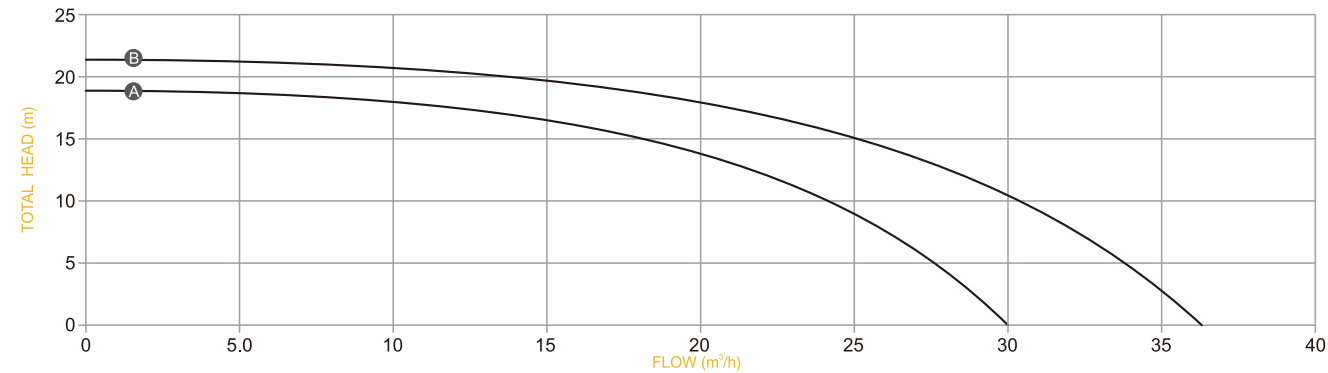
ADVANCED TECHNOLOGY



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



PERFORMANCE CURVES AND DATA



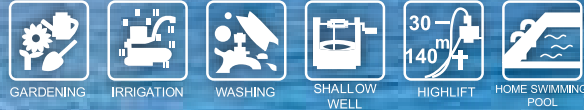
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4/6UKIC30-19-110-1100	110V	110V-150V	1100W	30m³/h	19m	3"	2m	<200V	≥1.3*PUMP POWER
B	4/6UKIC36-22-110-1500	110V	110V-150V	1500W	36m³/h	22m	3"	2m	<200V	≥1.3*PUMP POWER

UKCO DC
MPPT CONTROLLER



AC/DC Hybrid Solar Pump Series

APPLICATION



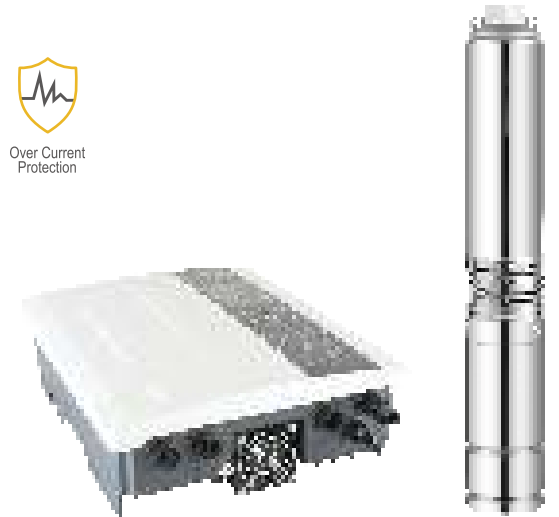
For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

3UKC-A/D AC/DC Hybrid Solar Pump Series

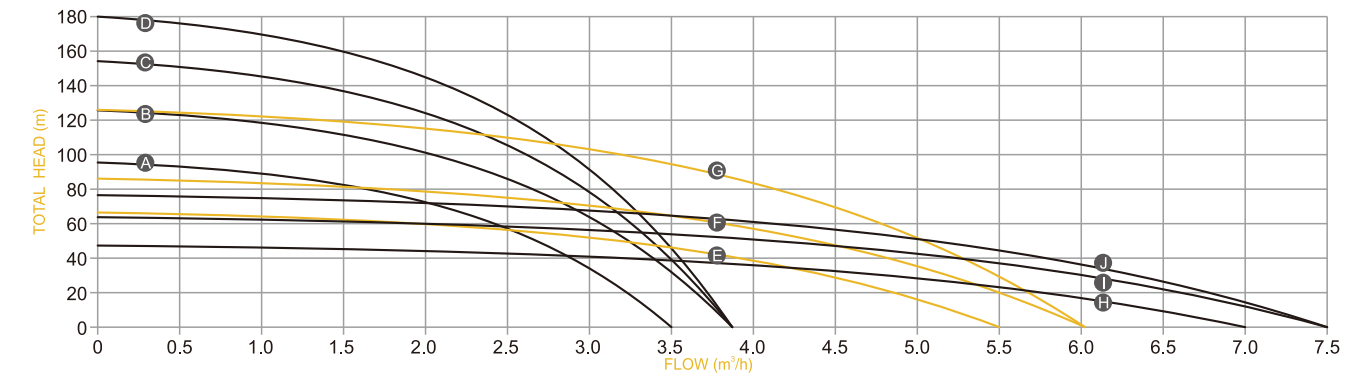
ADVANCED TECHNOLOGY



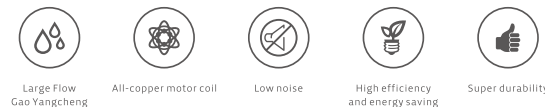
Maintenance-Free Brushless DC Motor
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Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature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



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	3UKC3.5-95-110-750-A/D	150V-264V	80V-380V	750W	3.5m³/h	95m	1.25"	2m	< 420V	≥1.3*PUMP POWER
B	3UKC3.8-123-150-1100-A/D	150V-264V	80V-380V	1100W	3.8m³/h	123m	1.25"	2m	< 420V	≥1.3*PUMP POWER
C	3UKC3.8-155-150-1300-A/D	150V-264V	80V-380V	1300W	3.8m³/h	155m	1.25"	2m	< 420V	≥1.3*PUMP POWER
D	3UKC3.8-180-200-1500-A/D	150V-264V	80V-380V	1500W	3.8m³/h	180m	1.25"	2m	< 420V	≥1.3*PUMP POWER
E	3UKC5.5-65-110-750-A/D	150V-264V	80V-380V	750W	5.5m³/h	65m	1.5"	2m	< 420V	≥1.3*PUMP POWER
F	3UKC6-84-150-1100-A/D	150V-264V	80V-380V	1100W	6m³/h	84m	1.5"	2m	< 420V	≥1.3*PUMP POWER
G	3UKC6-125-200-1500-A/D	150V-264V	80V-380V	1500W	6m³/h	125m	1.5"	2m	< 420V	≥1.3*PUMP POWER
H	3UKC7-46-110-750-A/D	150V-264V	80V-380V	750W	7m³/h	46m	1.5"	2m	< 420V	≥1.3*PUMP POWER
I	3UKC7.5-62-150-1100-A/D	150V-264V	80V-380V	1100W	7.5m³/h	62m	1.5"	2m	< 420V	≥1.3*PUMP POWER
J	3UKC7.5-78-200-1500-A/D	150V-264V	80V-380V	1500W	7.5m³/h	78m	1.5"	2m	< 420V	≥1.3*PUMP POWER



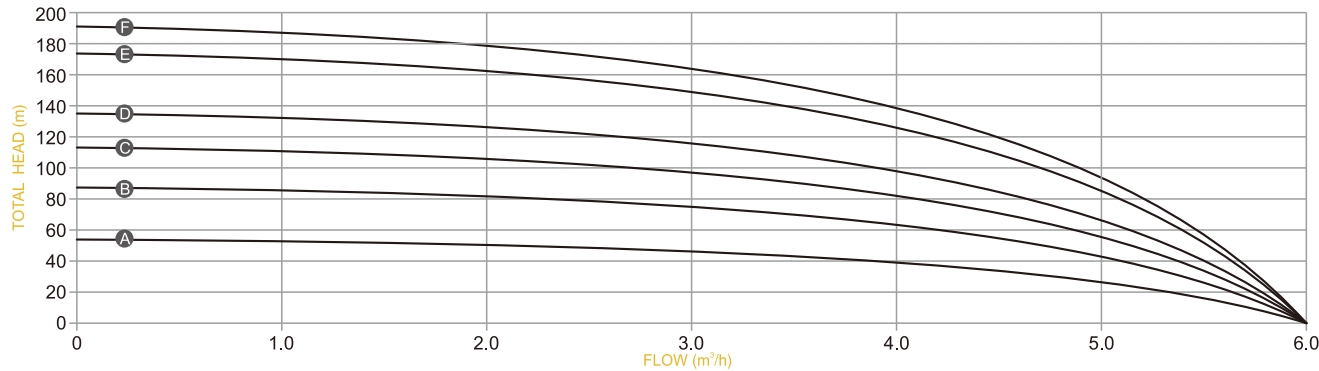
ADVANCED TECHNOLOGY



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



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKC6-56-110-750-A/D	150V-264V	80V-380V	750W	6m³/h	56m	1.25"	2m	< 420V	≥1.3*PUMP POWER
B	4UKC6-84-150-1100-A/D	150V-264V	80V-380V	1100W	6m³/h	84m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	4UKC6-112-150-1300-A/D	150V-264V	80V-380V	1300W	6m³/h	112m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	4UKC6-135-200-1500-A/D	150V-264V	80V-380V	1500W	6m³/h	135m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	4UKC6-175-300-2200-A/D	150V-264V	80V-380V	2200W	6m³/h	175m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	4UKC6-192-300-2500-A/D	150V-264V	80V-380V	2500W	6m³/h	192m	1.25"	2m	<420V	≥1.3*PUMP POWER

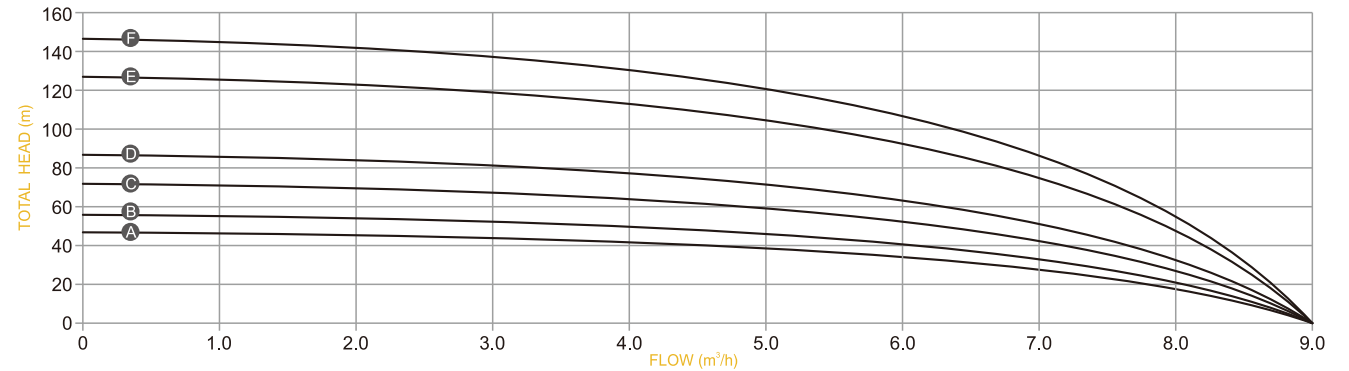
ADVANCED TECHNOLOGY



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKC9-45-110-750-A/D	150V-264V	80V-380V	750W	9m³/h	45m	2"	2m	< 420V	≥1.3*PUMP POWER
B	4UKC9-58-150-1100-A/D	150V-264V	80V-380V	1100W	9m³/h	58m	2"	2m	<420V	≥1.3*PUMP POWER
C	4UKC9-71-150-1300-A/D	150V-264V	80V-380V	1300W	9m³/h	71m	2"	2m	<420V	≥1.3*PUMP POWER
D	4UKC9-85-200-1500-A/D	150V-264V	80V-380V	1500W	9m³/h	85m	2"	2m	<420V	≥1.3*PUMP POWER
E	4UKC9-125-300-2200-A/D	150V-264V	80V-380V	2200W	9m³/h	125m	2"	2m	<420V	≥1.3*PUMP POWER
F	4UKC9-148-300-2500-A/D	150V-264V	80V-380V	2500W	9m³/h	148m	2"	2m	<420V	≥1.3*PUMP POWER

4UKC-A/D
AC/DC Hybrid Solar Pump Series

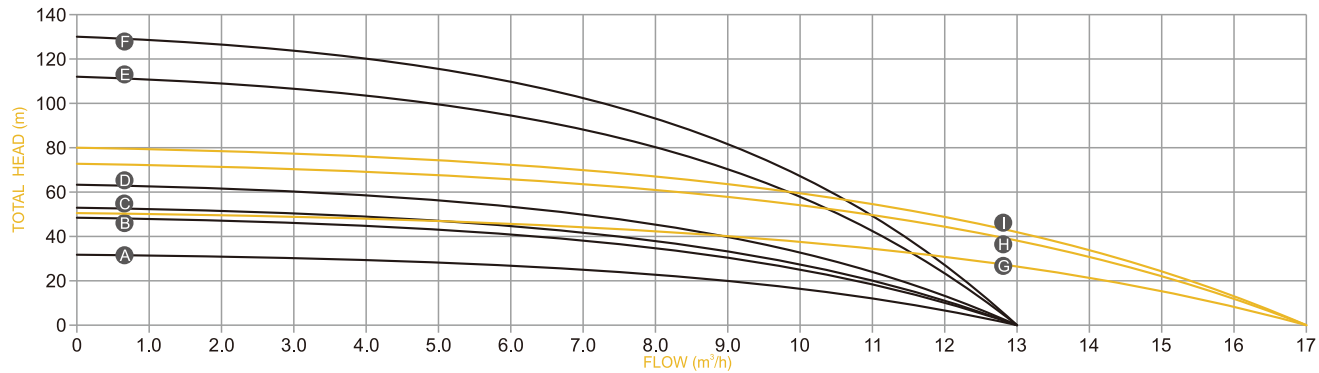
ADVANCED TECHNOLOGY



Maintenance-Free Brushless DC Motor
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKC13-36-110-750-A/D	150V-264V	80V-380V	750W	13m³/h	36m	2"	2m	< 420V	≥1.3*PUMP POWER
B	4UKC13-49-150-1100-A/D	150V-264V	80V-380V	1100W	13m³/h	49m	2"	2m	<420V	≥1.3*PUMP POWER
C	4UKC13-54-150-1300-A/D	150V-264V	80V-380V	1300W	13m³/h	54m	2"	2m	<420V	≥1.3*PUMP POWER
D	4UKC13-63-200-1500-A/D	150V-264V	80V-380V	1500W	13m³/h	63m	2"	2m	<420V	≥1.3*PUMP POWER
E	4UKC13-110-300-2200-A/D	150V-264V	80V-380V	2200W	13m³/h	110m	2"	2m	<420V	≥1.3*PUMP POWER
F	4UKC13-130-300-2500-A/D	150V-264V	80V-380V	2500W	13m³/h	130m	2"	2m	<420V	≥1.3*PUMP POWER
G	4UKC17-48-200-1500-A/D	150V-264V	80V-380V	1500W	17m³/h	48m	2"	2m	<420V	≥1.3*PUMP POWER
H	4UKC17-72-300-2200-A/D	150V-264V	80V-380V	2200W	17m³/h	72m	2"	2m	<420V	≥1.3*PUMP POWER
I	4UKC17-80-300-2500-A/D	150V-264V	80V-380V	2500W	17m³/h	80m	2"	2m	<420V	≥1.3*PUMP POWER

3UKIC-A/D
AC/DC Hybrid Solar Pump Series

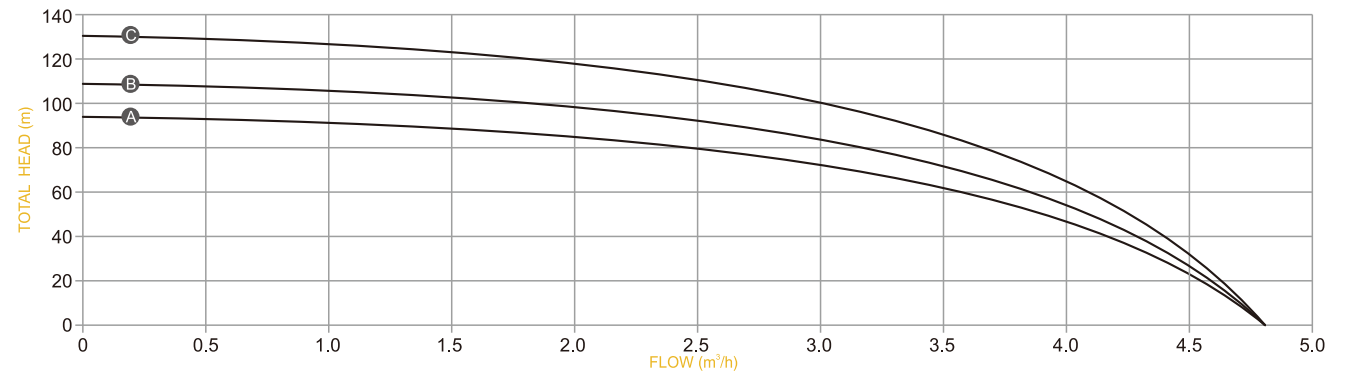
ADVANCED TECHNOLOGY



Maintenance-Free Brushless DC Motor
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 Control inputs for well probe,dry running protection
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	3UKIC4.8-95-110-750-A/D	150V-264V	80V-380V	750W	4.8m³/h	95m	1.25"	2m	< 420V	≥1.3*PUMP POWER
B	3UKIC4.8-110-150-1100-A/D	150V-264V	80V-380V	1100W	4.8m³/h	110m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	3UKIC4.8-130-200-1500-A/D	150V-264V	80V-380V	1500W	4.8m³/h	130m	1.25"	2m	<420V	≥1.3*PUMP POWER

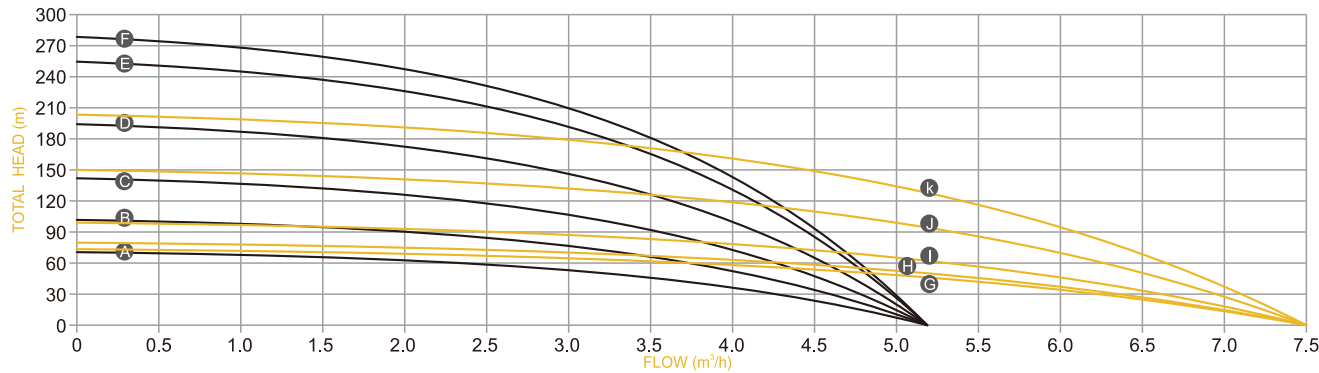
ADVANCED TECHNOLOGY



- Maintenance-Free Brushless DC Motor
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKIC5.2-67-110-750-A/D	150V-264V	80V-380V	750W	5.2m³/h	67m	1.25"	2m	< 420V	≥1.3*PUMP POWER
B	4UKIC5.2-101-150-1100-A/D	150V-264V	80V-380V	1100W	5.2m³/h	101m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	4UKIC5.2-146-200-1300-A/D	150V-264V	80V-380V	1300W	5.2m³/h	146m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	4UKIC5.2-198-200-1500-A/D	150V-264V	80V-380V	1500W	5.2m³/h	198m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	4UKIC5.2-255-300-2200-A/D	150V-264V	80V-380V	2200W	5.2m³/h	255m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	4UKIC5.2-275-300-2500-A/D	150V-264V	80V-380V	2500W	5.2m³/h	275m	1.25"	2m	<420V	≥1.3*PUMP POWER
G	4UKIC7.5-68-150-1100-A/D	150V-264V	80V-380V	1100W	7.5m³/h	68m	1.25"	2m	<420V	≥1.3*PUMP POWER
H	4UKIC7.5-80-150-1300-A/D	150V-264V	80V-380V	1300W	7.5m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
I	4UKIC7.5-100-200-1500-A/D	150V-264V	80V-380V	1500W	7.5m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
J	4UKIC7.5-150-300-2200-A/D	150V-264V	80V-380V	2200W	7.5m³/h	150m	1.25"	2m	<420V	≥1.3*PUMP POWER
K	4UKIC7.5-205-300-2500-A/D	150V-264V	80V-380V	2500W	7.5m³/h	205m	1.25"	2m	<420V	≥1.3*PUMP POWER

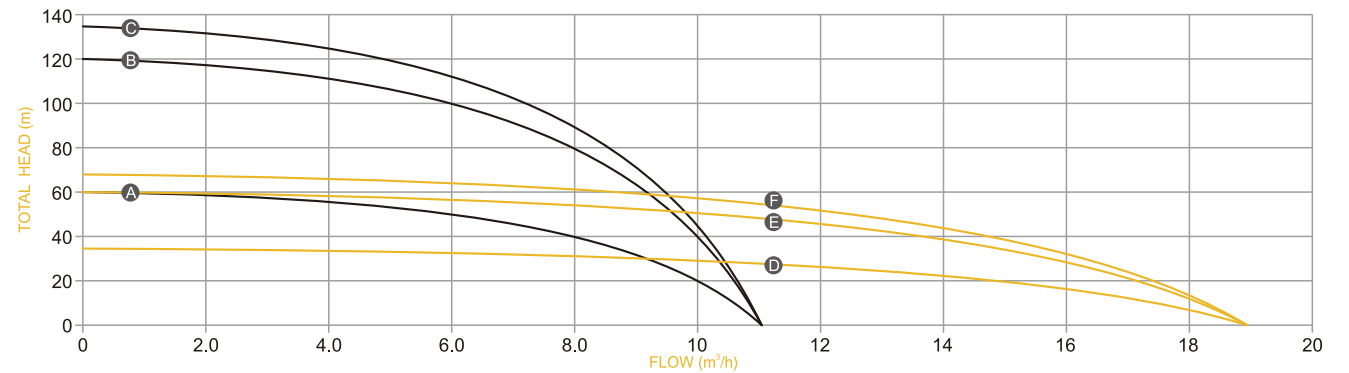
ADVANCED TECHNOLOGY



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



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKIC11-60-200-1500-A/D	150V-264V	80V-380V	1500W	11m³/h	60m	2"	2m	< 420V	≥1.3*PUMP POWER
B	4UKIC11-120-300-2200-A/D	150V-264V	80V-380V	2200W	11m³/h	120m	2"	2m	<420V	≥1.3*PUMP POWER
C	4UKIC11-136-300-2500-A/D	150V-264V	80V-380V	2500W	11m³/h	136m	2"	2m	<420V	≥1.3*PUMP POWER
D	4UKIC19-35-200-1500-A/D	150V-264V	80V-380V	1500W	19m³/h	35m	2"	2m	<420V	≥1.3*PUMP POWER
E	4UKIC19-60-300-2200-A/D	150V-264V	80V-380V	2200W	19m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
F	4UKIC19-68-300-2500-A/D	150V-264V	80V-380V	2500W	19m³/h	68m	2"	2m	<420V	≥1.3*PUMP POWER

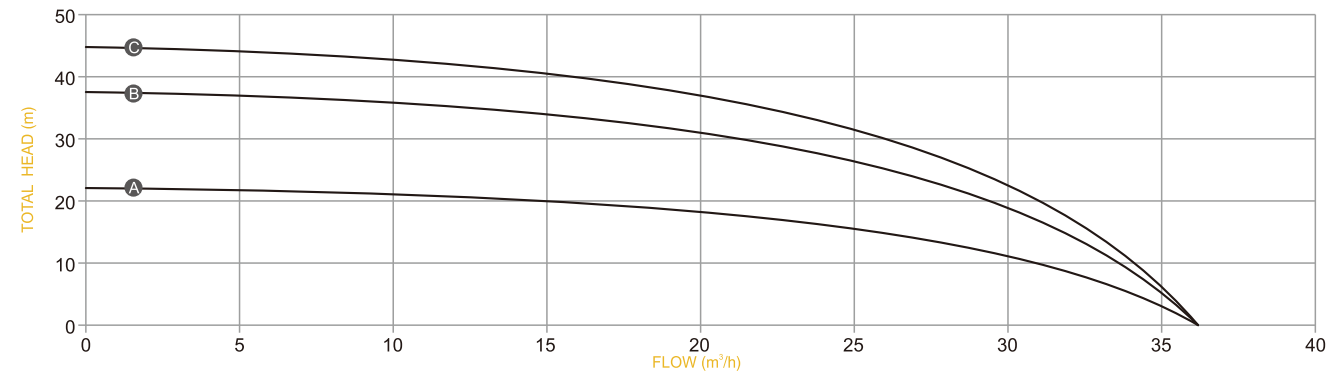
ADVANCED TECHNOLOGY



- Maintenance-Free Brushless DC Motor
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- Suitable for Wide DC voltage Operation
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- Battery Operation,low voltage disconnect for battery Tracking)
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PERFORMANCE CURVES AND DATA



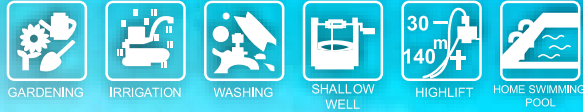
No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4/6UKIC36-22-200-1500-A/D	150V-264V	80V-380V	1500W	36m³/h	22m	3"	2m	< 420V	≥1.3*PUMP POWER
B	4/6UKIC36-38-300-2200-A/D	150V-264V	80V-380V	2200W	36m³/h	38m	3"	2m	<420V	≥1.3*PUMP POWER
C	4/6UKIC36-45-300-2500-A/D	150V-264V	80V-380V	2500W	36m³/h	45m	3"	2m	<420V	≥1.3*PUMP POWER



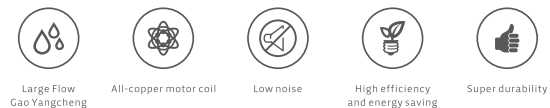
**UKCO AC/DC HYBRID
MPPT CONTROLLER**

SOLAR SURFACE PUMP SERIES

APPLICATION



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



UKSP Solar Surface Pump Series



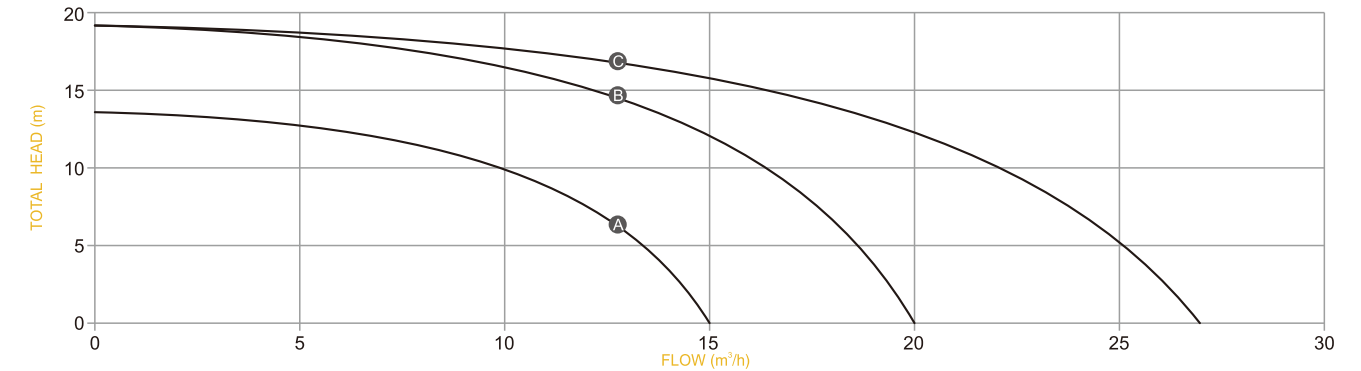
ADVANCED TECHNOLOGY



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	UKSP15-14-48-500	48V	60V-90V	500W	15m³/h	14m	2×2"	2m	< 100V	≥1.3*PUMP POWER
B	UKSP20-19-110-900	110V	110V-150V	900W	20m³/h	19m	2×2"	2m	<200V	≥1.3*PUMP POWER
C	UKSP27-19-110-1200	110V	110V-150V	1200W	27m³/h	19m	3×3"	2m	<200V	≥1.3*PUMP POWER

UKSP-A/D
AC/DC Hybrid Solar Pump Series



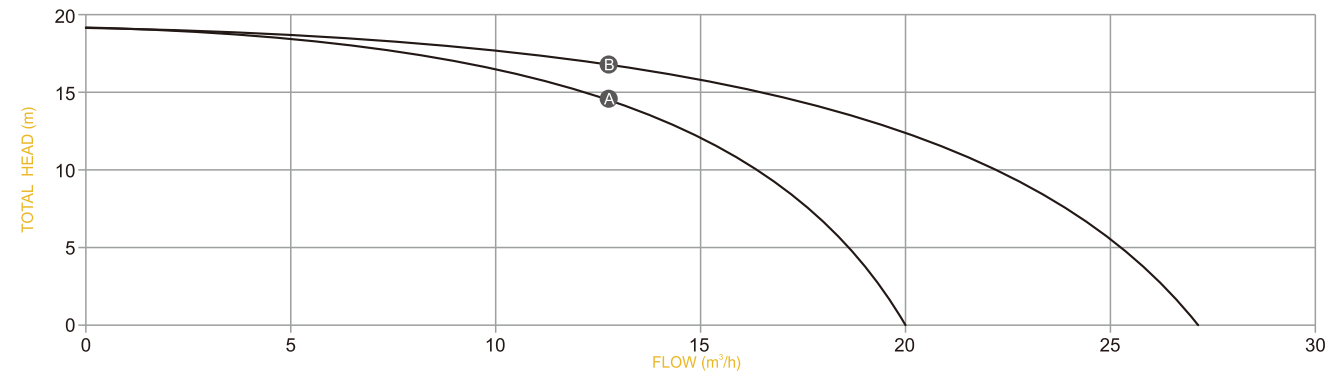
ADVANCED TECHNOLOGY



- Maintenance-Free Brushless DC Motor
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- Battery Operation,low voltage disconnect for battery Tracking)
- Overload and high Adjustable speed control of motor
- Temperature Protection and against reverse polarity



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	UKSP20-19-110-900-A/D	150V-264V	80V-380V	900W	20m³/h	19m	2×2"	2m	< 100V	≥1.3*PUMP POWER
B	UKSP27-19-150-1200-A/D	150V-264V	80V-380V	1200W	27m³/h	19m	3×3"	2m	<200V	≥1.3*PUMP POWER

UKHF
Solar Surface Pump Series



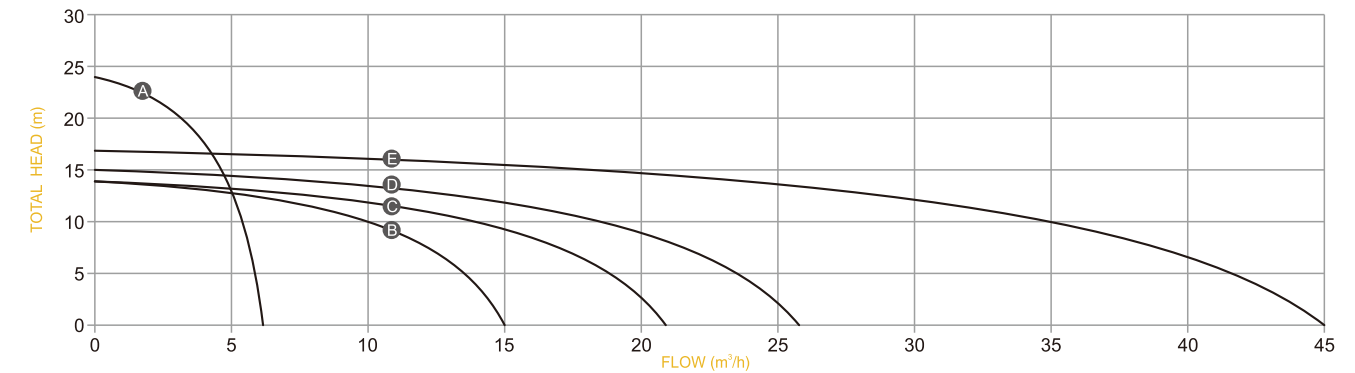
ADVANCED TECHNOLOGY



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



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	UKHF6-24-48-550	48V	60V-90V	550W	6m³/h	24m	1×1"	1m	< 100V	≥1.3*PUMP POWER
B	UKHF15-14-48-550	48V	60V-90V	550W	15m³/h	14m	1.5×1.5"	1m	<100V	≥1.3*PUMP POWER
C	UKHF21-14-72-750	72V	90V-120V	750W	21m³/h	14m	2×2"	1m	<150V	≥1.3*PUMP POWER
D	UKHF26-15-110-1100	110V	110V-150V	1100W	26m³/h	15m	2×2"	1m	<200V	≥1.3*PUMP POWER
E	UKHF45-17-110-1500	110V	110V-150V	1500W	45m³/h	17m	3×3"	1m	<200V	≥1.3*PUMP POWER

UKHF-A/D
AC/DC Hybrid Solar Pump Series



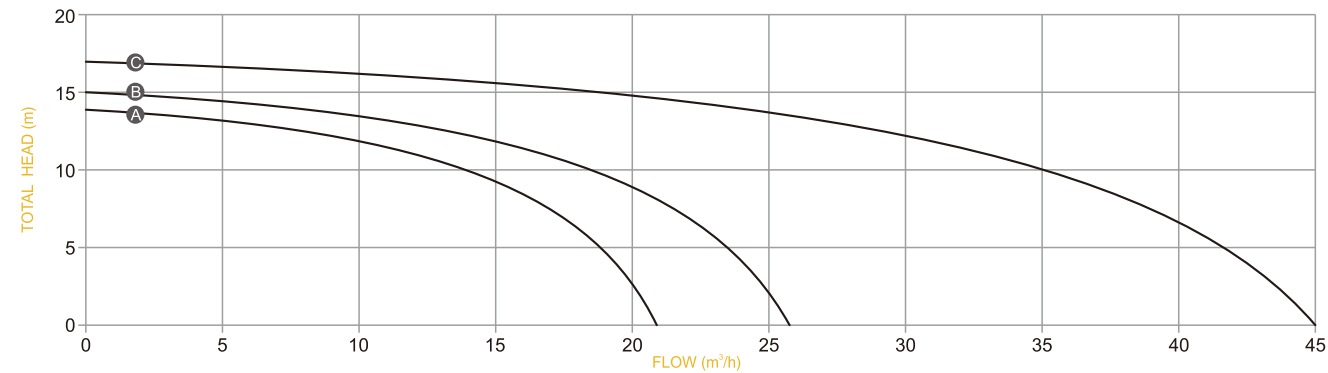
ADVANCED TECHNOLOGY



- 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 Tracking)
- Overload and high Adjustable speed control of motor
- Temperature Protection and against reverse polarity



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	UKHF21-14-110-750-A/D	150V-264V	80V-380V	750W	21m³/h	14m	2×2"	1m	< 420V	≥1.3*PUMP POWER
B	UKHF26-15-150-1100-A/D	150V-264V	80V-380V	1100W	26m³/h	15m	2×2"	1m	<420V	≥1.3*PUMP POWER
C	UKHF45-17-200-1500-A/D	150V-264V	80V-380V	1500W	45m³/h	17m	3×3"	1m	<420V	≥1.3*PUMP POWER

UKQB
Solar Surface Pump Series



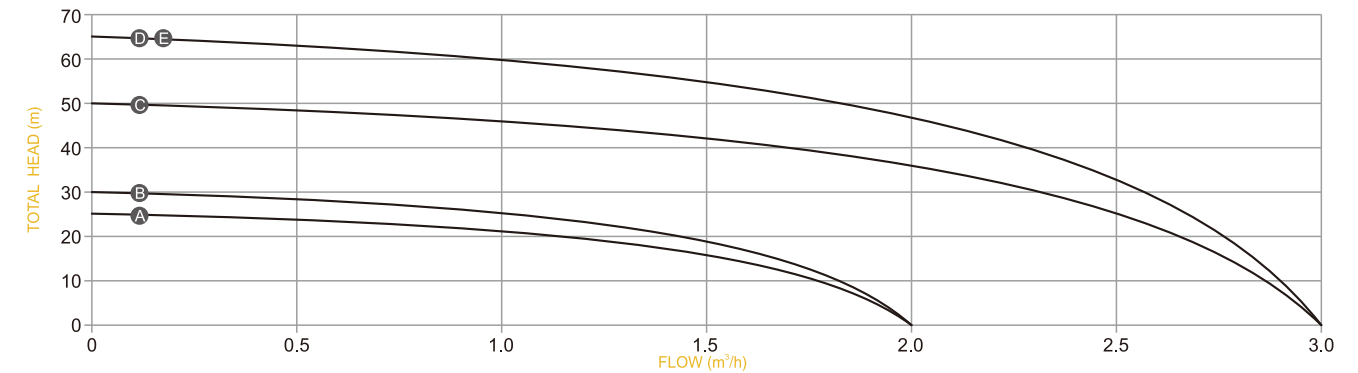
ADVANCED TECHNOLOGY



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



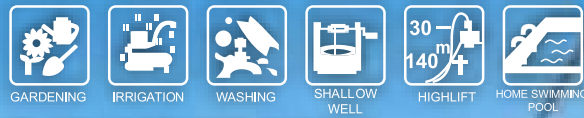
PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	UKQB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1×1"	2m	< 50V	≥1.3*PUMP POWER
B	UKQB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1×1"	2m	<50V	≥1.3*PUMP POWER
C	UKQB3-50-48-550	48V	60V-90V	550W	3m³/h	50m	1×1"	2m	<100V	≥1.3*PUMP POWER
D	UKQB3-65-72-750	72V	90V-120V	750W	3m³/h	65m	1×1"	2m	<150V	≥1.3*PUMP POWER
E	UKQB3-65-110-750-A/D	150V-264V	80V-380V	750W	3m³/h	65m	1×1"	2m	<420V	≥1.3*PUMP POWER

ECONOMICAL CONTROLLER SOLAR PUMP SERIES

APPLICATION



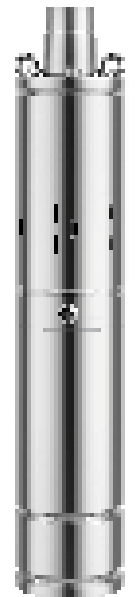
For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

3UKS-E Economical Controller Solar Pump Series

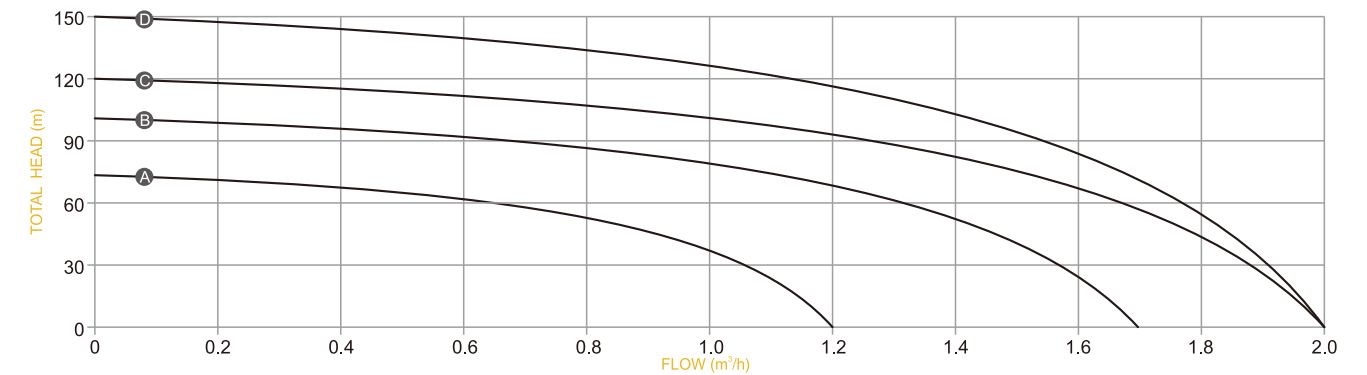
ADVANCED TECHNOLOGY



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



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	3UKS1.2-77-36-200-E	36V	30V-48V	200W	1.2m³/h	77m	0.75"	2m	< 50V	≥1.3*PUMP POWER
B	3UKS1.7-98-48-400-E	48V	60V-90V	400W	1.7m³/h	98m	0.75"	2m	<100V	≥1.3*PUMP POWER
C	3UKS2.0-120-72-600-E	72V	90V-120V	600W	2.0m³/h	120m	0.75"	2m	<150V	≥1.3*PUMP POWER
D	3UKS2.0-150-96-800-E	96V	90V-130V	800W	2.0m³/h	150m	0.75"	2m	<200V	≥1.3*PUMP POWER



4UKS-E
Economical Controller Solar Pump Series

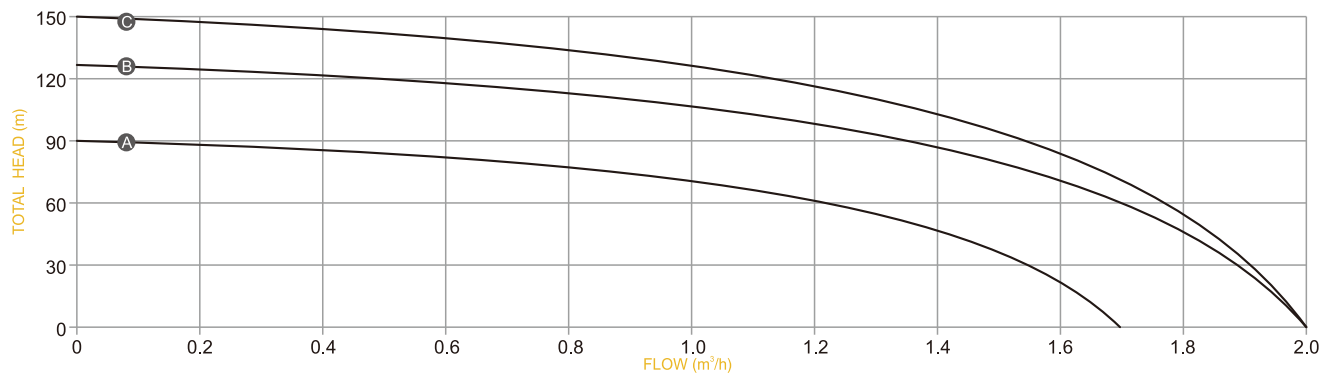
ADVANCED TECHNOLOGY



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



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKS1.7-90-48-400-E	48V	60V-90V	400W	1.7m³/h	90m	1"	2m	< 100V	≥1.3*PUMP POWER
B	4UKS2.0-125-72-600-E	72V	90V-120V	600W	2.0m³/h	125m	1"	2m	<150V	≥1.3*PUMP POWER
C	4UKS2.0-150-96-800-E	96V	90V-130V	800W	2.0m³/h	150m	1"	2m	<200V	≥1.3*PUMP POWER

3UKC-E
Economical Controller Solar Pump Series

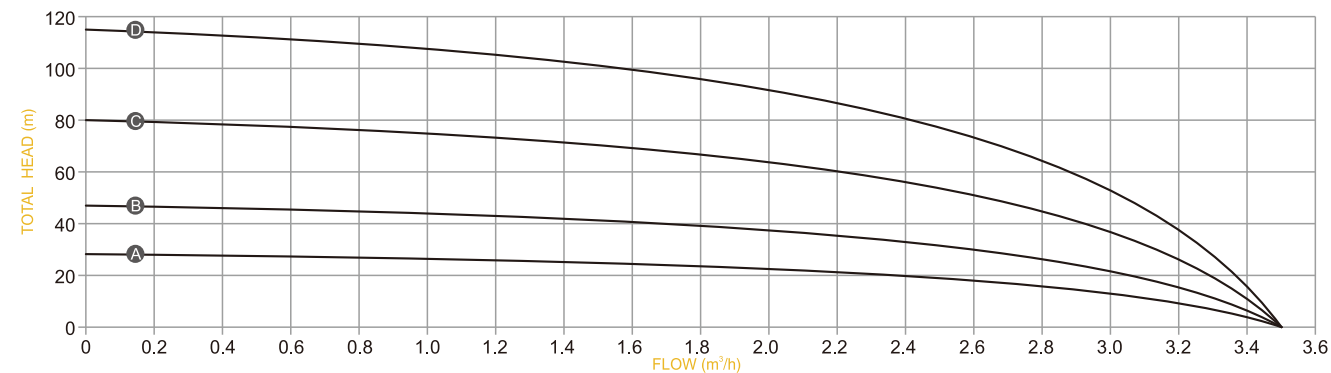
ADVANCED TECHNOLOGY



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	3UKC3.5-25-24-200-E	24V	30V-48V	200W	3.5m³/h	25m	1.25"	2m	< 50V	≥1.3*PUMP POWER
B	3UKC3.5-47-48-400-E	48V	60V-90V	400W	3.5m³/h	47m	1.25"	2m	<100V	≥1.3*PUMP POWER
C	3UKC3.5-80-72-600-E	72V	90V-120V	600W	3.5m³/h	80m	1.25"	2m	<150V	≥1.3*PUMP POWER
D	3UKC3.5-118-96-800-E	96V	90V-130V	800W	3.5m³/h	118m	1.25"	2m	<200V	≥1.3*PUMP POWER

4UKC-E
Economical Controller Solar Pump Series

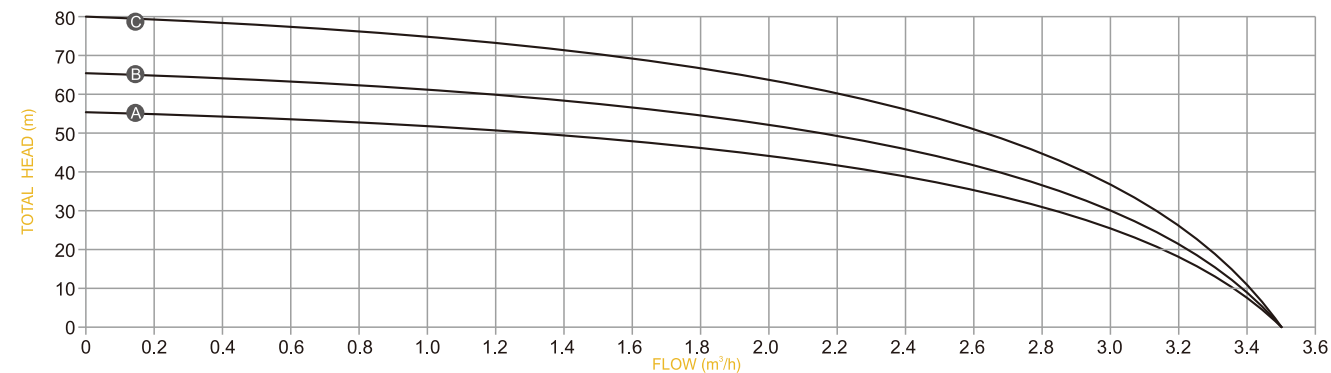
ADVANCED TECHNOLOGY



- Maintenance-Free Brushless DC Motor
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	4UKC3.5-55-48-400-E	48V	60V-90V	400W	3.5m³/h	55m	1.5"	2m	< 100V	≥1.3*PUMP POWER
B	4UKC3.5-65-72-600-E	72V	90V-120V	600W	3.5m³/h	65m	1.5"	2m	<150V	≥1.3*PUMP POWER
C	4UKC3.5-80-96-800-E	96V	90V-130V	800W	3.5m³/h	80m	1.5"	2m	<200V	≥1.3*PUMP POWER

UKQD-E
Economical Controller Solar Pump Series

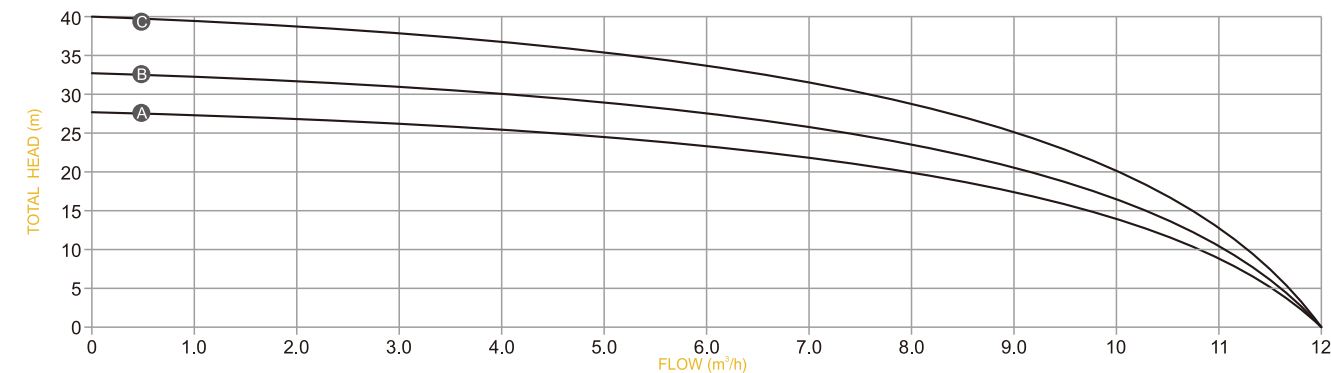
ADVANCED TECHNOLOGY



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	UKQD-D48/400-E	24V	30V-48V	250W	3.0m³/h	25m	1.25"	2m	< 100V	≥1.3*PUMP POWER
B	UKQD-D72/600-E	48V	60V-90V	500W	3.5m³/h	47m	1.25"	2m	<150V	≥1.3*PUMP POWER
C	UKQD-D96/800-E	96V	90V-130V	750W	3.5m³/h	80m	1.25"	2m	<200V	≥1.3*PUMP POWER

HUGE POWER SOLAR PUMP INVERTER

APPLICATION



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



Large Flow
Gao Yangcheng



All-copper motor coil



Low noise



High efficiency
and energy saving



Super durability



UKPI Series Solar Pump Inverter

Solar pump inverter introduction

Clean energy:

inexhaustible energy supply, non-pollution, zero carbon dioxide emissions, actively contribute to curbing global warming.

Economic and affordable: One-time investment to get long-term returns, and enjoy government subsidies.

Safe and reliable: unattended, work at sunrise and stop at sunset

Simple operation: One key operation

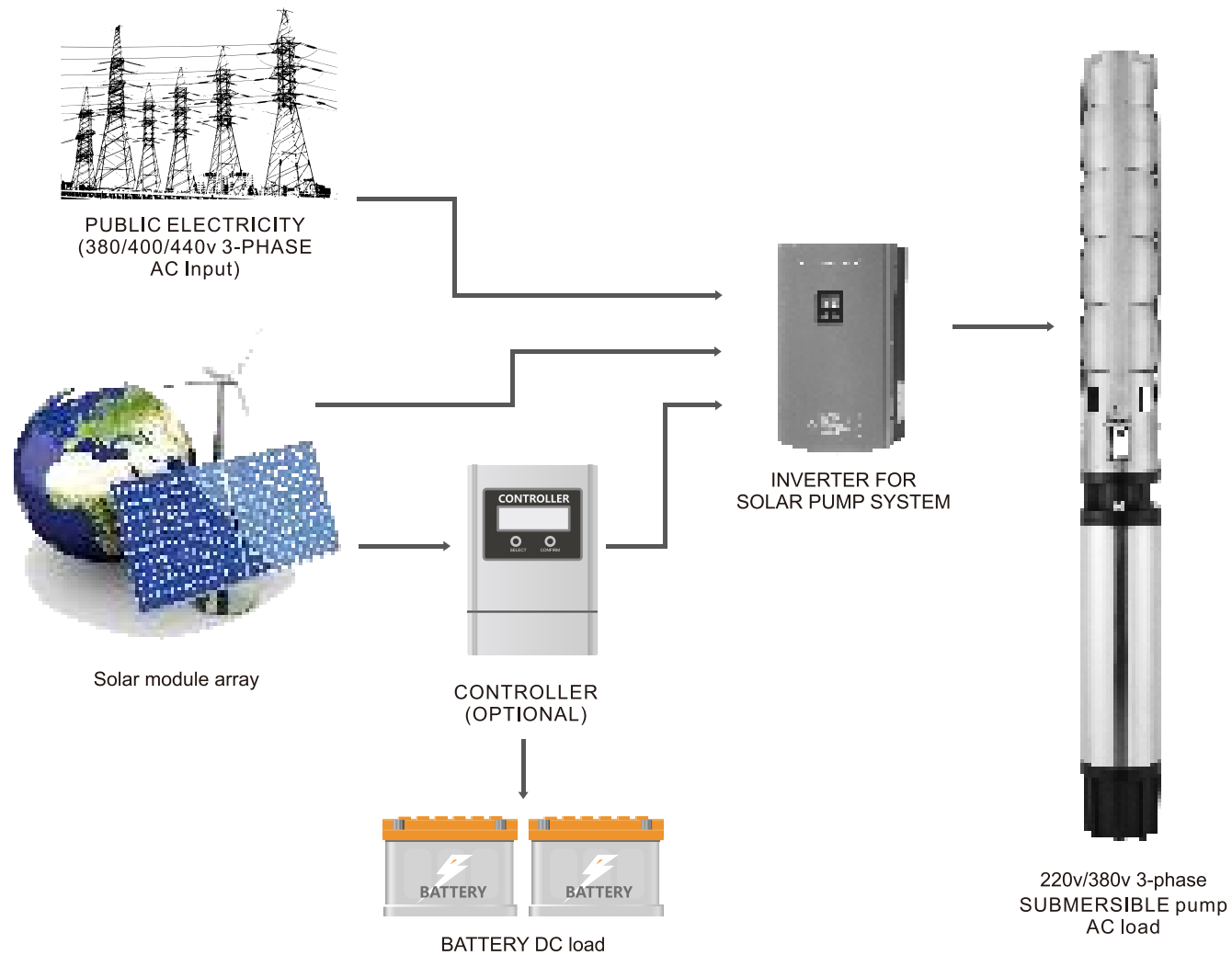
Smart Internet of Things:

powerful GPRS Internet of Things, and users could master the system state at anytime and anywhere.

Personal customized:

special model supports ultra low input voltage of 30-300VDC with a specialized sine wave filter.

International standards: in line with national standards and access to CE certification.



PV pump system is different from the traditional AC pump application system, PV pumping inverter converts DC voltage from the solar array into AC voltage to drive the pump. Pumping water from deep well, river, lake, etc.

UKPI Solar Pump Inverter



PERFORMANCE DATA

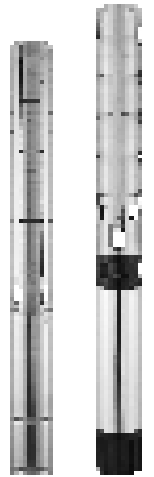
Item	Solar pump inverter power (KW)	Pump		Max solar power input (KW)	Max DC input voltage V	Recommend Voc voltage (V)	Rated output current (A)	Output frequency (Hz)
		Rated power (KW)	Rated voltage (V)					
UKPI-2SP-0.7G	0.75	0.75	220	1	450	360~430	4	0-320
UKPI-2SP-1.5G	1.5	1.5	220	1.95	450	360~430	7	0-320
UKPI-2SP-2.2G	2.2	2.2	220	2.86	450	360~430	10	0-320
UKPI-2SP-4.0G	4	4	220	5.4	450	360~430	16	0-320
UKPI-3TH-0.7G	0.75	0.75	380	1	780	620~750	3	0-320
UKPI-3TH-1.5G	1.5	1.5	380	2.2	780	620~750	4	0-320
UKPI-3TH-2.2G	2.2	2.2	380	3.3	780	620~750	6	0-320
UKPI-3TH-4.0G	4	4	380	5.6	780	620~750	10	0-320
UKPI-3TH-5.5G	5.5	5.5	380	8	780	620~750	13	0-320
UKPI-3TH-7.5G	7.5	7.5	380	10	780	620~750	17	0-320
UKPI-3TH-11G	11	11	380	14.3	780	620~750	25	0-320
UKPI-3TH-15G	15	15	380	19.5	780	620~750	32	0-320
UKPI-3TH-18.5G	18.5	18.5	380	23.4	780	620~750	38	0-320
UKPI-3TH-22G	22	22	380	28.6	780	620~750	45	0-320
UKPI-3TH-30G	30	30	380	39	780	620~750	60	0-320
UKPI-3TH-37G	37	37	380	48.1	780	620~750	75	0-320
UKPI-3TH-45G	45	45	380	58.5	780	620~750	90	0-320
UKPI-3TH-55G	55	55	380	71.5	780	620~750	110	0-320
UKPI-3TH-75G	75	75	380	97.5	780	620~750	150	0-320

UKPI Solar Pump Inverter

Technical parameters		
Project	Parameters	
Input power supply	Voltage, frequency	2SP model: 150-450VDC/ single-phase 220VAC 50/60HZ
		3TH model: 350-780VDC/ three-phase 380VAC 50/60HZ
	Allowable Fluctuations	Voltage imbalance rate: <3%
		Frequency fluctuation: ±5%
		Distortion rate: Conform to IEC 61800-2
Frequency inverter efficiency	≥96%	
Recommended voltage Voc	2SP model: 175-360VDC	
	3TH model: 620-750VDC	
Output	MPPT efficiency	reaches 99.9%
	Output frequency range	0-320Hz (320 Hz or higher frequency can be customized)
	Overload capacity	150% rated current 1min; 180% rated current 10s; 200% rated current 0.5s
	Solar pump protection functions	Dry protection, low frequency protection, minimum power protection, sleep protection, overwater protection, pump overcurrent protection, etc.
Protection Functions	Basic protection functions	Overvoltage, undervoltage, inverter overcurrent, module fault, inverter overload, motor overload, current detection zero-drift fault, current detection fault, E2RCM fault, grounding short-circuit fault, input phase loss, output phase loss, inverter overheating, communication fault, motor parameter self-learning fault, etc.
	Short-circuit detection of motor grounding	Automatic detection whether the motor is Short-circuit to ground in power-on
	Servo control	Support synchronous and asynchronous servo control, perform pulse tracking, zero
		servo, indexing positioning and other basic servo functions, and support the orthogonal pulse given.
	Communication network	Supports RS485 communication, to realize network and linkage control between VEICHI inverters
Long-distance monitoring function	Supports long-distance program upgrade, data monitoring and lock function, can connect VEICHI GPRS module, and supports VEICHI virtual oscilloscope for monitoring and debugging.	
Surroundings	Installation location	Outdoor, less than 1000m altitude, keep away from corrosive air and direct sunlight
	Temperature, humidity	-10-60°C, 20%-95%RH (no condensation)
	Vibration	The vibration is less than 0.5g when the vibration frequency is less than 20Hz
	Storage temperature	-20~60°C
	Installation mode	Suspension installation
	Protection class	IP20
	Cooling method	Natural cooling/forced air cooling
International certification	CE	



AC Deep Well Pump for Huge Power Solar Pumping System




Picture	Model	Voltage	Power	Rated Flow	Rated Head	Flow	0	1	2	3	4
		V	W	m³/h	m						
	4SP3-61/12-0.75	220 / 380	0.75	3	61	Head (m)	72	68	64	61	40
	4SP3-80/16-1.1	220 / 380	1.1	3	80		91	89	85	80	50
	4SP3-109/22-1.5	220 / 380	1.5	3	109		132	125	118	109	75
	4SP3-157/32-2.2	220 / 380	2.2	3	157		190	185	176	157	110
	4SP3-220/45-3.0	380	3	3	220		256	250	244	220	150
	4SP3-287/59-4.0	380	4	3	287		323	310	302	287	210
	4SP3-316/65-5.5	380	5.5	3	316		355	345	328	316	247


Picture	Model	Voltage	Power	Rated Flow	Rated Head	Flow	0	6	8	9	10	12
		V	W	m³/h	m							
	4SP8-25/5-0.75	220 / 380	0.75	8	25	Head (m)	33	28	25	22	17	12
	4SP8-34/7-1.1	220 / 380	1.1	8	34		44	39	34	31	26	17
	4SP8-47/10-1.5	220 / 380	1.5	8	47		59	56	47	38	34	20
	4SP8-61/13-2.2	220 / 380	2.2	8	61		75	71	61	55	46	28
	4SP8-83/18-3.0	380	3	8	83		98	94	83	71	61	35
	4SP8-114/25-4.0	380	4	8	114		134	122	114	100	84	50
	4SP8-145/32-5.5	380	5.5	8	145		169	157	145	121	101	67
	4SP8-178/40-7.5	380	7.5	8	178		203	185	178	148	116	81


Picture	Model	Voltage	Power	Rated Flow	Rated Head	Flow	0	6	8	10	14	16
		V	W	m³/h	m							
	4SP14-20/5-1.5	220 / 380	1.5	14	20	Head (m)	35	32	29	25	20	16
	4SP14-28/7-2.2	220 / 380	2.2	14	28		49	45	40	34	28	23
	4SP14-40/10-3.0	380	3	14	40		70	62	57	49	40	32
	4SP14-52/13-4.0	380	4	14	52		91	81	74	63	52	42
	4SP14-60/15-5.5	380	5.5	14	60		105	94	85	73	60	48
	4SP14-72/18-5.5	380	5.5	14	72		126	113	103	90	72	58
	4SP14-84/21-7.5	380	7.5	14	84		147	135	119	101	84	67
	4SP14-100/25-7.5	380	7.5	14	100		175	163	143	123	100	80





AC Deep Well Pump for Huge Power Solar Pumping System

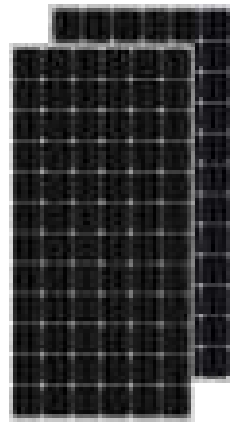
Picture	Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow m³/h	Rated Head m	The best use the flow head						
		KW	HP			L/min	0	166	250	333	416	500
						m³/h	0	10	15	20	25	30
	6SP20-2	1.5	2	20	17	Head (m)	22	21	19	17	12	6
	6SP20-3	2.2	3	20	26		33	31	29	26	18	10
	6SP20-4	3	4	20	34		44	41	38	34	24	13
	6SP20-6	4	5.5	20	51		66	62	57	51	36	19
	6SP20-8	5.5	7.5	20	68		88	82	76	68	54	29
	6SP20-11	7.5	10	20	94		121	113	105	94	66	35
	6SP20-13	9.2	12.5	20	111		145	136	125	111	78	41
	6SP20-16	11	15	20	136		176	165	152	136	96	51
	6SP20-19	13	17.5	20	162		209	196	181	162	114	61
	6SP20-22	15	20	20	187		242	227	209	187	132	70
	6SP20-27	18.5	25	20	230		297	278	257	230	162	86
	6SP20-32	22	30	20	272		352	330	304	272	192	102
6SP20-38	26	35	20	323	418	391	361	323	228	122		

Picture	Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow m³/h	Rated Head m	The best use the flow head						
		KW	HP			L/min	0	333	500	666	750	833
						m³/h	0	20	30	40	45	50
	6SP40-2	3	4	40	18	Head (m)	26	25	21	18	16	13
	6SP40-3	5.5	7.5	40	27		40	37	32	27	25	20
	6SP40-4	7.5	10	40	36		53	50	43	36	32	26
	6SP40-5	7.5	10	40	46		67	63	54	46	41	33
	6SP40-6	9.2	12.5	40	55		80	75	65	55	49	40
	6SP40-7	11	15	40	64		94	88	75	64	57	47
	6SP40-8	13	17.5	40	74		107	101	86	74	65	54
	6SP40-10	15	20	40	92		134	126	108	92	82	67
	6SP40-12	18.5	25	40	110		161	151	130	110	98	80
	6SP40-14	22	30	40	129		188	176	151	129	115	94
	6SP40-17	26	35	40	156		228	214	184	156	139	114
	6SP40-20	30	40	40	184		268	252	216	184	164	134
	6SP40-24	37	45	40	221		322	302	259	221	196	161

Picture	Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow m³/h	Rated Head m	The best use the flow head						
		KW	HP			L/min	0	666	833	916	1000	1083
						m³/h	0	40	50	55	60	65
	6SP60-4	7.5	10	60	31	Head (m)	56	40	36	34	31	28
	6SP60-5	9.2	12.5	60	39		70	51	45	42	39	34
	6SP60-6	11	15	60	46		84	61	54	50	46	41
	6SP60-8	15	20	60	62		112	82	72	67	62	55
	6SP60-9	18.5	25	60	70		126	93	81	75	70	62
	6SP60-10	18.5	25	60	78		140	103	90	84	78	69
	6SP60-11	22	30	60	86		154	116	100	93	86	76
	6SP60-12	22	30	60	94		168	124	110	102	94	83
	6SP60-13	26	35	60	102		182	136	118	110	102	90
	6SP60-14	26	35	60	110		196	146	128	119	110	97
	6SP60-15	26	35	60	117		210	155	135	126	117	104
	6SP60-16	30	40	60	125		224	168	145	135	125	111

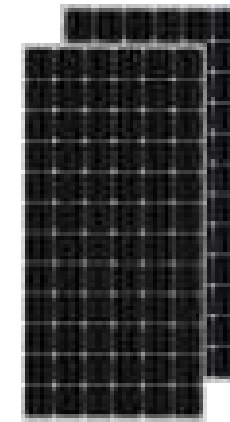
Picture	Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow m³/h	Rated Head m	The best use the flow head						
		KW	HP			L/min	0	833	1000	1166	1283	1500
						m³/h	0	50	60	70	77	90
	8SP77-1	5.5	7.5	77	13	Head (m)	20	16	15	14	13	10
	8SP77-2	7.5	10	77	27		40	31	30	28	27	21
	8SP77-3	11	15	77	40		59	47	44	42	40	31
	8SP77-4	15	20	77	53		79	63	59	56	53	42
	8SP77-5	18.5	25	77	67		99	78	74	70	67	52
	8SP77-6	22	30	77	80		119	94	89	84	80	63
	8SP77-7	26	35	77	93		139	110	104	98	93	73
	8SP77-8	30	40	77	107		159	125	119	112	107	84
	8SP77-10	37	50	77	133		198	157	148	140	133	105
	8SP77-12	45	60	77	160		238	188	178	168	160	126
	8SP77-15	55	75	77	200		297	235	222	210	200	157
	8SP77-17	63	85	77	227		337	266	252	238	227	178
	8SP77-20	75	100	77	267		397	313	297	280	267	210

Picture	Model Three phase 380-415V/ 50Hz	Motor Power		Rated Flow m³/h	Rated Head m	The best use the flow head						
		KW	HP			L/min	0	1000	1333	1583	1666	1833
						m³/h	0	60	80	95	100	110
	8SP95-1	5.5	7.5	95	12	Head (m)	21	16	14	12	11	9
	8SP95-2	9.2	12.5	95	24		41	31	28	24	22	18
	8SP95-3	13	17.5	95	36		61	47	41	36	33	28
	8SP95-4	18.5	25	95	48		82	62	55	48	45	37
	8SP95-5	22	30	95	60		102	78	69	60	56	46
	8SP95-6	26	35	95	72		123	94	83	72	67	55
	8SP95-8	37	50	95	96		163	124	110	96	89	73
	8SP95-10	45	60	95	120		204	155	137	120	112	92
	8SP95-11	55	75	95	132		225	172	152	132	123	101
	8SP95-12	55	75	95	144		246	187	165	144	135	111
	8SP95-14	63	85	95	168		285	218	193	168	157	129
	8SP95-16	75	100	95	193		326	249	220	193	179	147
	8SP95-20	93	125	95	240		408	312	276	240	224	184



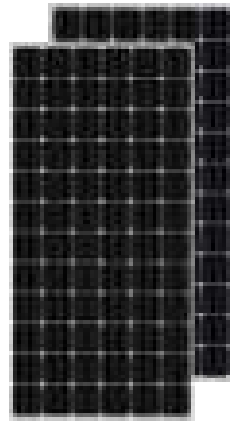
Solar Panel recommendation for 24-110V DC

<p>Power 80W-12V</p> <p>Vol: 18-50V</p>	<p>Solar Panel: 150w*1PCS / 265W*1PCS / 340W *1PCS</p>
<p>Power 120-210W-24V 210W -36V</p> <p>Vol: 18-50V</p>	<p>Solar Panel: 150w*2PCS / 265W*1PCS / 340W *1PCS</p>
<p>Power 280W-24V 300W-24V</p> <p>Vol: 18-50V</p>	<p>Solar Panel: 265w*2PCS / 340W*2PCS</p>
<p>Power 400W-36V</p> <p>Vol: 18-50V</p>	<p>Solar Panel: 265w*2PCS / 340W*2PCS</p>
<p>Power 370W-48V 400W-48V</p> <p>Vol: 30-100V</p>	<p>Solar Panel: 265w*2PCS / 340W*2PCS</p>
<p>Power 500W-48V 550W-48V</p> <p>Vol: 30-100V</p>	<p>Solar Panel: 265w*4PCS / 340W*2PCS</p>
<p>Power 600W-48V</p> <p>Vol: 30-100V</p>	<p>Solar Panel: 265w*4PCS / 340W*4PCS</p>



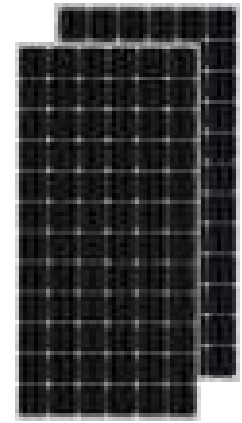
Solar Panel recommendation for 24-110V DC

<p>Power 600W-72V</p> <p>Vol: 50-150V</p>	<p>Solar Panel: 265w*3PCS / 340W*3PCS</p>
<p>Power 750W-48V</p> <p>Vol: 30-100V</p>	<p>Solar Panel: 265w*4PCS / 340W*4PCS</p>
<p>Power 750W-72V</p> <p>Vol: 50-150V</p>	<p>Solar Panel: 265w*4PCS / 340W*3PCS</p>
<p>Power 900W-72V</p> <p>Vol: 50-150V</p>	<p>Solar Panel: 265w*4PCS / 340W*4PCS</p>
<p>Power 1000W-96V</p> <p>Vol: 60-200V</p>	<p>Solar Panel: 265w*6PCS / 340W*6PCS</p>
<p>Power 1300W-96V</p> <p>Vol: 60-200V</p>	<p>Solar Panel: 265w*8PCS / 340W*8PCS</p>
<p>Power 1600W-110V</p> <p>Vol: 60-200V</p>	<p>Solar Panel: 265w*4PCS / 340W*4PCS</p>



Solar Panel recommendation for AC/DC Solar Pump

<p>POWER 750W-220V</p> <p>BEST DC Vol. 300-400V</p>		<p>Solar Panel: 265W*7PCS Solar Panel: 340W*6PCS</p>
<p>POWER 1100W-220V 1200W-220V</p> <p>BEST DC Vol. 300-400V</p>		<p>Solar Panel: 265W*8PCS Solar Panel: 340W*7PCS</p>
<p>POWER 1300W-220V 1500W-220V</p> <p>BEST DC Vol. 300-400V</p>		<p>Solar Panel: 265W*10PCS Solar Panel: 340W*8PCS</p>
<p>POWER 2200W-220V</p> <p>BEST DC Vol. 300-400V</p>		<p>Solar Panel: 265W*11PCS Solar Panel: 340W*9PCS</p>
<p>POWER 2200W-380V</p> <p>BEST DC Vol. 480-750V</p>		<p>Solar Panel: 265W*15PCS Solar Panel: 340W*13PCS</p>
<p>POWER 3000W-380V</p> <p>BEST DC Vol. 480-750V</p>		<p>Solar Panel: 265W*16PCS Solar Panel: 340W*14PCS</p>



Solar Panel recommendation for AC/DC Solar Pump

<p>POWER 4000W-380V</p> <p>BEST DC Vol. 480-750V</p>		<p>Solar Panel: 265W*19PCS Solar Panel: 340W*17PCS</p>
<p>POWER 5500W-380V</p> <p>BEST DC Vol. 480-750V</p>		<p>Solar Panel: 265W*32PCS Solar Panel: 340W*28PCS</p>
<p>POWER 7500W-380V</p> <p>BEST DC Vol. 480-750V</p>		<p>Solar Panel: 265W*38PCS Solar Panel: 340W*34PCS</p>
<p>POWER 9200W-380V</p> <p>BEST DC Vol. 480-750V</p>		<p>Solar Panel: 265W*48PCS Solar Panel: 340W*42PCS</p>
<p>POWER 11000W-380V</p> <p>BEST DC Vol. 480-750V</p>		<p>Solar Panel: 265W*54PCS Solar Panel: 340W*48PCS</p>
<p>POWER 15000W-380V</p> <p>BEST DC Vol. 480-750V</p>		<p>Solar Panel: 265W*80PCS Solar Panel: 340W*68PCS</p>