

HANOURO®



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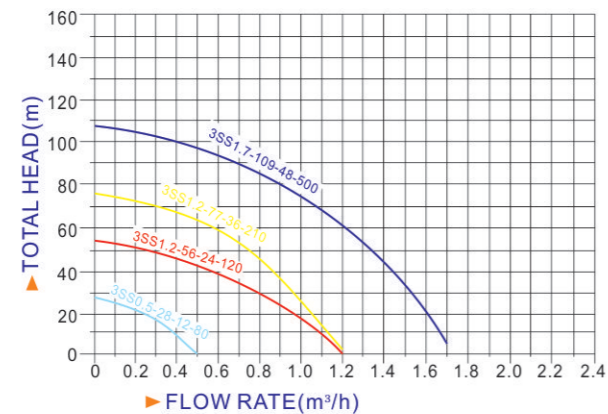
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HANOURO®
SOLAR PUMP

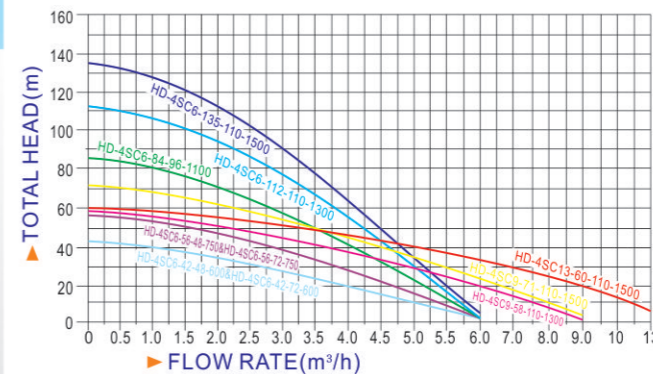


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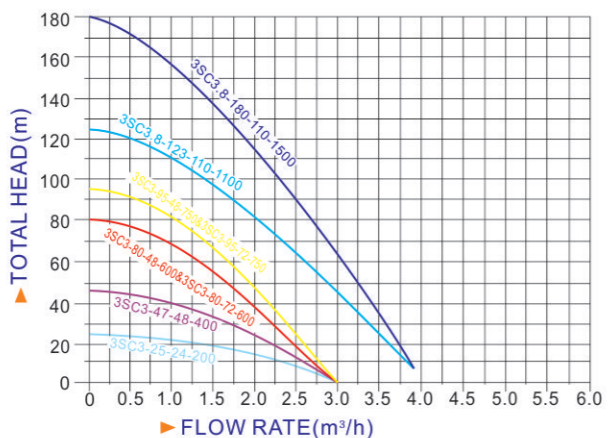
BRUSH LESS SOLAR PUMP

ITEM	Voltage	Power	Outlet	Max Flow	Max Head	Cable	Solar panel
HD-3SS0.5-28-12-80	12V	80W	0.75"	0.5m³/h	28m	2m	≥150W
HD-3SS1.2-56-24-120	24V	120W	0.75"	1.2m³/h	56m	2m	≥250W
HD-3SS1.2-80-36-210	36V	210W	0.75"	1.2m³/h	77m	2m	≥300W
HD-3SS1.7-109-48-500	48V	500W	0.75"	1.7m³/h	109m	2m	≥600W



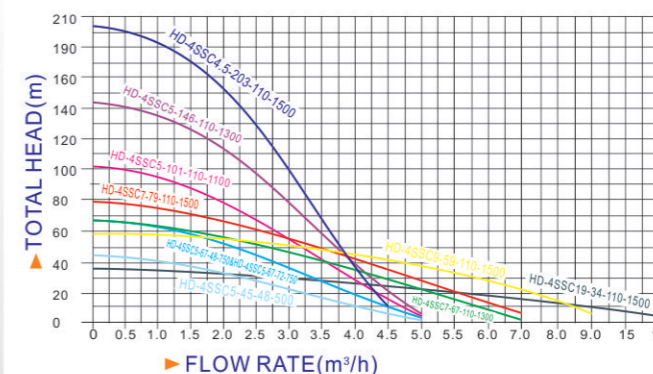
BRUSH LESS SOLAR PUMP

ITEM	Voltage	Power	Outlet	Max Flow	Max Head	Cable	Solar panel
HD-4SC6-42-48-600	48V	600W	1.25"	6.0m³/h	42m	2m	≥750W
HD-4SC6-42-72-600	72V	600W	1.25"	6.0m³/h	42m	2m	≥750W
HD-4SC6-56-48-750	48V	750W	1.25"	6.0m³/h	56m	2m	≥1000W
HD-4SC6-56-72-750	72V	750W	1.25"	6.0m³/h	56m	2m	≥1000W
HD-4SC6-84-110-1100	110V	1100W	1.25"	6.0m³/h	84m	2m	≥1500W
HD-4SC6-112-110-1300	110V	1300W	1.25"	6.0m³/h	112m	2m	≥1800W
HD-4SC6-135-110-1500	110V	1500W	1.25"	6.0m³/h	135m	2m	≥2000W
HD-4SC9-58-110-1300	110V	1300W	2"	9.0m³/h	58m	2m	≥1800W
HD-4SC9-71-110-1500	110V	1500W	2"	9.0m³/h	71m	2m	≥2000W
HD-4SC13-60-110-1500	110V	1500W	2"	13m³/h	60m	2m	≥2000W



BRUSH LESS SOLAR PUMP

ITEM	Voltage	Power	Outlet	Max Flow	Max Head	Cable	Solar panel
HD-3SC3-25-24-200	24V	200W	1"	3.0m³/h	25m	2m	≥300W
HD-3SC3-47-48-400	48V	400W	1.25"	3.0m³/h	47m	2m	≥600W
HD-3SC3-80-48-600	48V	600W	1.25"	3.0m³/h	80m	2m	≥750W
HD-3SC3-80-72-600	72V	600W	1.25"	3.0m³/h	80m	2m	≥750W
HD-3SC3-95-48-750	48V	750W	1.25"	3.0m³/h	95m	2m	≥1000W
HD-3SC3-95-72-750	72V	750W	1.25"	3.0m³/h	95m	2m	≥1000W
HD-3SC3.8-123-110-1100	110V	1100W	1.25"	3.0m³/h	123m	2m	≥1500W
HD-3SC3.8-180-110-1500	110V	1500W	1.25"	3.0m³/h	180m	2m	≥2000W



BRUSH LESS SOLAR PUMP

ITEM	Voltage	Power	Outlet	Max Flow	Max Head	Cable	Solar panel
HD-4SSC5-45-48-500	48V	500W	1.25"	5.0m³/h	45m	2m	≥750W
HD-4SSC5-67-48-750	48V	750W	1.25"	5.0m³/h	67m	2m	≥1000W
HD-4SSC5-67-72-750	72V	750W	1.25"	5.0m³/h	67m	2m	≥1000W
HD-4SSC5-101-110-1100	110V	1100W	1.25"	5.0m³/h	101m	2m	≥1500W
HD-4SSC5-146-110-1500	110V	1500W	1.25"	5.0m³/h	146m	2m	≥2000W
HD-4SSC4.5-203-110-1500	110V	1500W	1.25"	4.5m³/h	203m	2m	≥1800W
HD-4SSC7-67-110-1300	110V	1300W	1.25"	7.0m³/h	67m	2m	≥2000W
HD-4SSC7-79-110-1500	110V	1500W	1.25"	7.0m³/h	79m	2m	≥2000W
HD-4SSC9-59-110-1500	110V	1500W	2"	9.0m³/h	59m	2m	≥2000W
HD-4SSC19-34-110-1500	110V	1500W	2"	19m³/h	59m	2m	>2000W

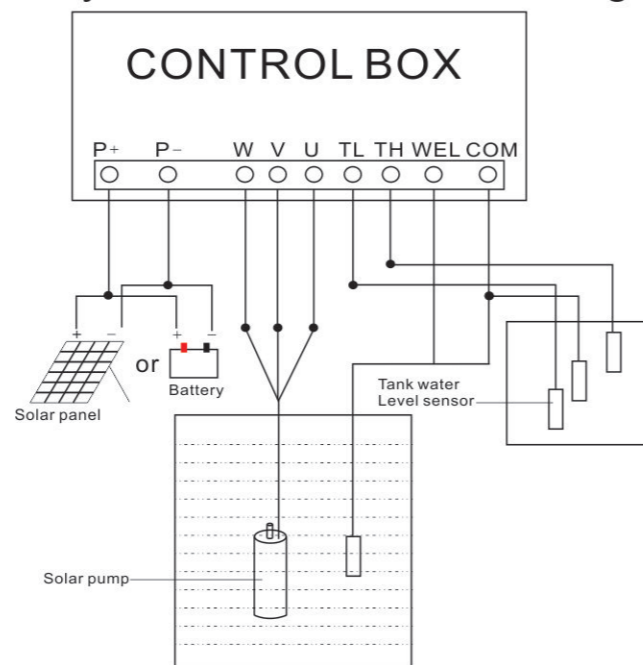
Working Environment and Electrical Property

Controller and Pump Matching Method						
Controller Model	Adaptable pump	Rate input power (KW)	Max. Input Current (A)	Max. Input Voltage (V)	MPPT Voltage Range (V)	Working temperature (°C)
HD-24	Rated 24V Pump	0.36	15	48	18-36	-15~60
HD-36	Rated 36V Pump	0.36	15	48	18-36	-15~60
HD-48	Rated 48V Pump	0.75	15	96	24-72	-15~60
HD-72	Rated 72V Pump	1.1	15	150	50-112	-15~60
HD-110	Rated 110V Pump	1.3	15	180	60-135	-15~60

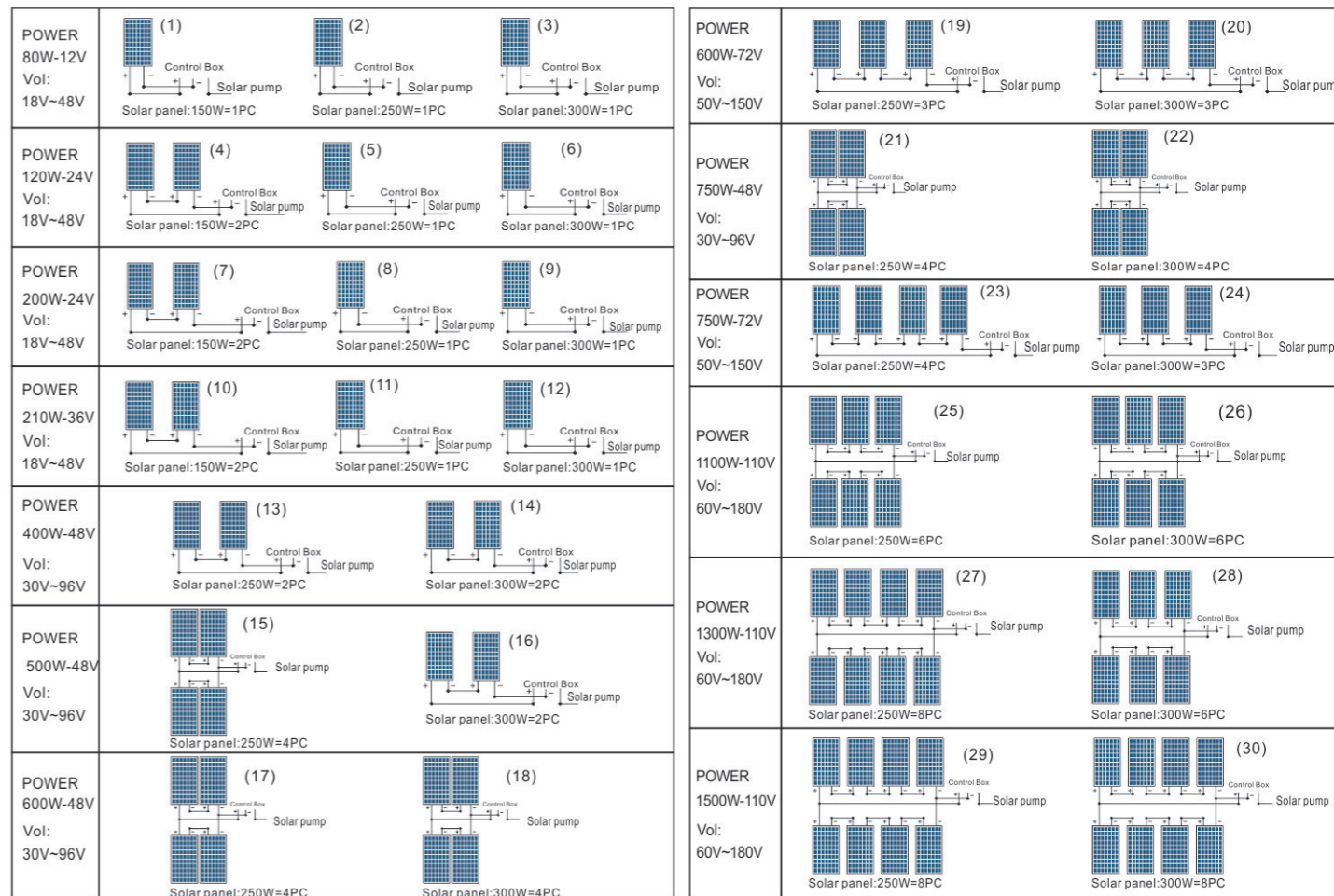
Caution:

Before the power is on, you must use the instrument to detect the open circuit voltage of solar panels, or apply for series, parallel knowledge to calculate the solar panel open circuit voltage. The open-circuit voltage of solar array must be less than the maximum input voltage of the controller, otherwise it will cause irreversible damage.

System installation drawing



Solar panel connect way:



Solar Panel Description:

150W

Max power:150W
Short Circuit Current:9A
Open Circuit Voltage:22V
Max Power Current:8.4A
Max Power Voltage:18V

250W

Max power:250W
Short Circuit Current:9A
Open Circuit Voltage:36.8V
Max Power Current:8.34A
Max Power Voltage:30V

300W

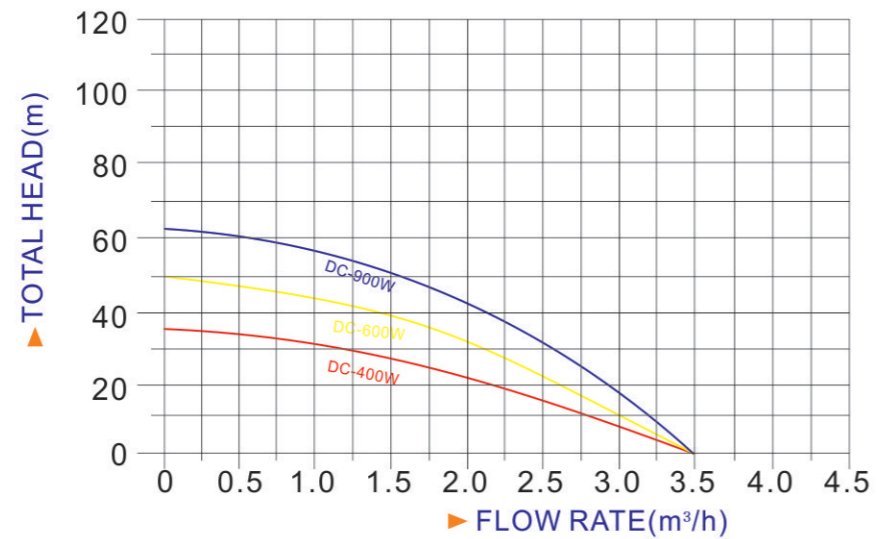
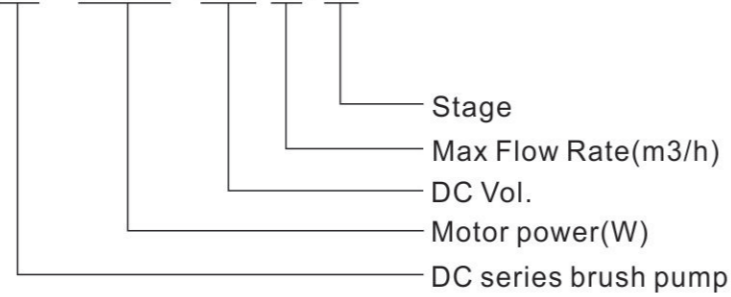
Max power:300W
Short Circuit Current:8.7A
Open Circuit Voltage:44V
Max Power Current:8.3A
Max Power Voltage:36.2V

Tips:

When it's series connection, the voltage is added, but the current is't changed; when it's parallel connection, the voltage is unchanged, but the current is added.



DC - 400W -24V 2 / 6



BRUSH SOLAR PUMP

ITEM	Voltage	Power	Outlet	Max Flow	Max Head	Cable	Solar panel
DC-400W-24V-2/6	24V	400W	1.5"	3.5m³/h	35m	20m	≥600W
DC-400W-48V-2/6	48V	400W	1.5"	3.5m³/h	35m	20m	≥600W
DC-600W-24V-2/8	24V	600W	1.5"	3.5m³/h	50m	30m	≥900W
DC-600W-48V-2/8	48V	600W	1.5"	3.5m³/h	50m	30m	≥900W
DC-600W-72V-2/8	72V	600W	1.5"	3.5m³/h	50m	30m	≥900W
DC-900W-72V-2/10	72V	900W	1.5"	3.5m³/h	65m	30m	≥1200W