



LIXING PUMP

We are committed to the development of global photovoltaic deep well pump applications



TAIZHOU LIXING PUMP CO.,LTD

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———— TAIZHOU LIXING PUMP CO.,LTD ————

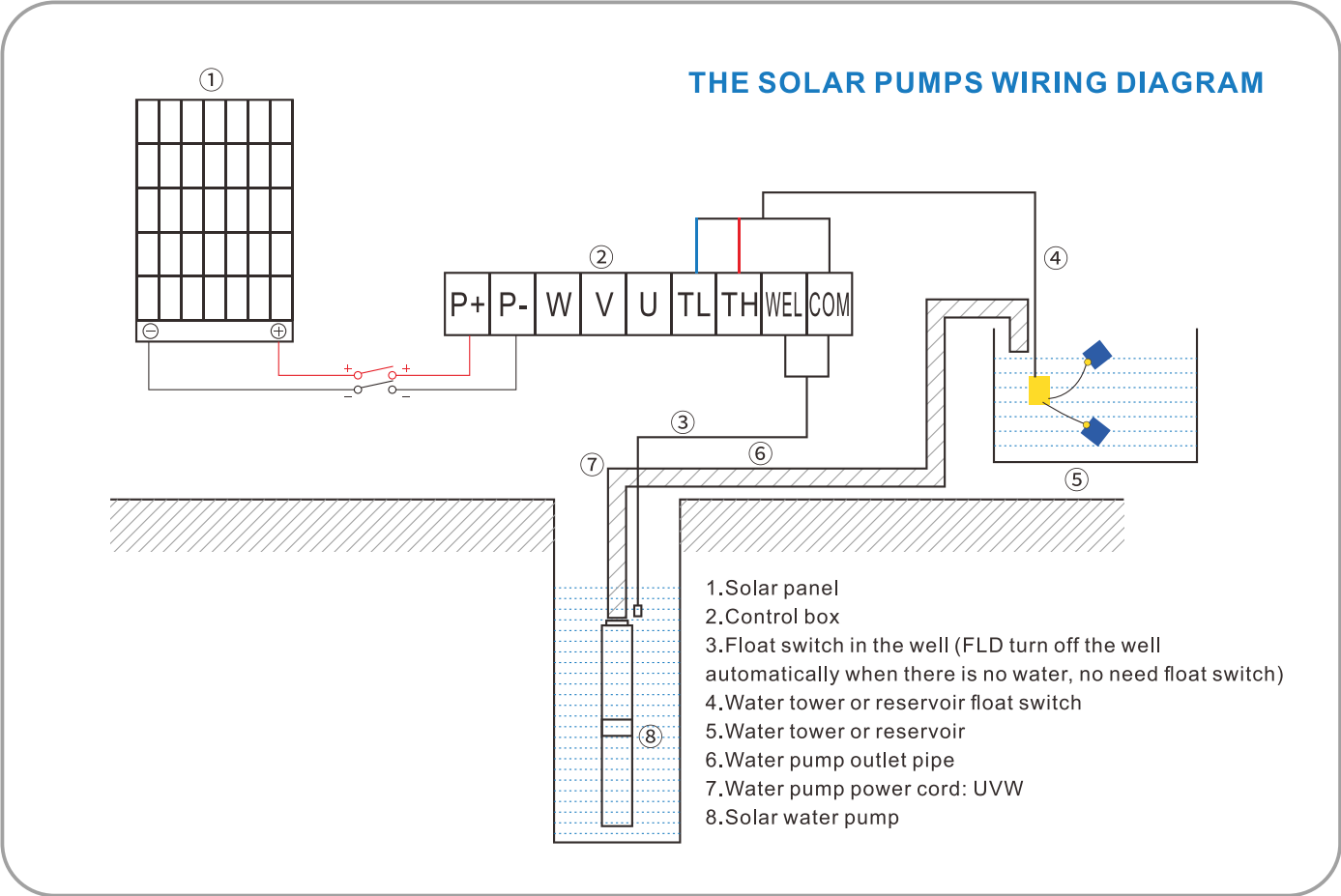
ABOUT US **LIXING PUMP**

Lixing Pump has rooted in pump industry from 2006, headquartered in Daxi Town, Wenling City, Zhejiang Province—a town with flourishing pump industry. Lixing always strives to solve problems that have been identified and exceed the customers' requirements. A high standard, which provides a benchmark for us that we like to be measured by. We examine customer requirements early and from an all-round perspective. Lixing pump has been committed to technical researches, manufacturing and marketing of all kinds of water pumps like Solar Pumps, Deep Well pumps, Circulator pumps, Boosting pumps, Gas Boiler Pump, Washing Pumps. Now Lixing Pump have exported to 48 countries and regions to help Clients realize their different applications and requirements.

Based on keen Market Insight, High Technical Design, Superior Service, Lixing Pump was popular accepted in global market. Lixing pump have its own brand and also can accept OEM, ODM and OBM orders.

Pumps are Lixing's business. We are proud that connecting with millions of people every day through our pumps. Lixing pump pay attention on innovation, efficiency, reliability and sustainability. Remain true to our original aspiration and keep our mission firmly in mind. We are committed to pioneering solutions to the world's water and climate challenges and improving people's life quality.





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WATER LEVEL DIAGRAM

CORRECT METHODS

Pump operating condition should be below the entire water level



INCORRECT USAGE

The pump is partially out of level, which is wrong and will cause the pump to burn out



ANNOUNCEMENTS

- ① These deep well pumps must be installed in their rated voltage. Or they can't be turned on, and maybe burned down.
- ② The water temperature must be $\leq 40^{\circ}\text{C}$. The water must be clean water, If the water is dirty (for example, there is sediment in the new well), then suggest wrapping gauze before pump inlet pipe.
- ③ The new deep well pump must be tested in water before turning on.

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Solar DC Pump

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3"DCS
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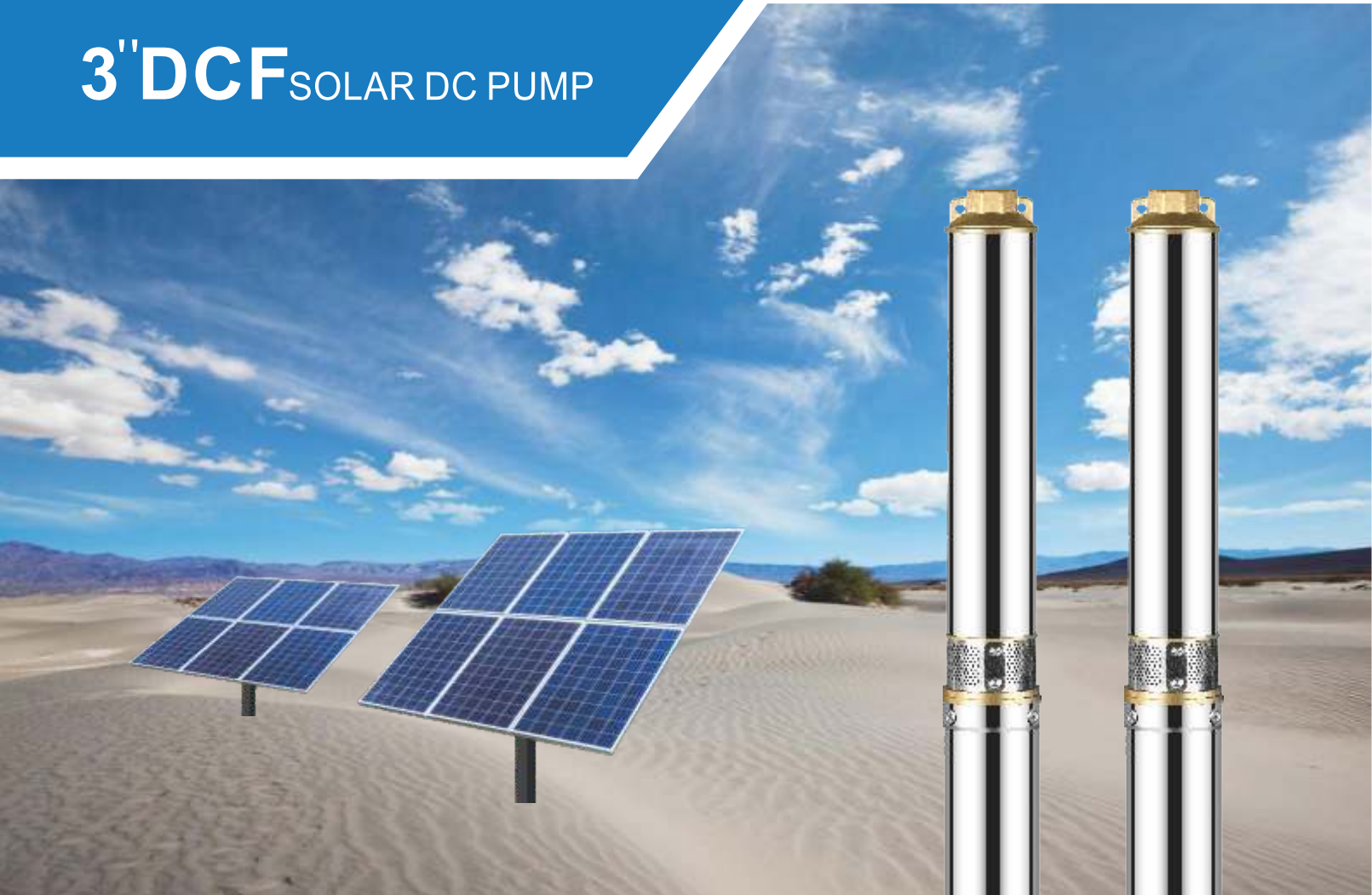
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03
PART

4"DCP
Solar DC Pump

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3"DCF SOLAR DC PUMP



STAINLESS
STEEL BODY



COPPER
MOTOR



LARGE
FLOW



ANTI-CORROSION
ANTI-RUST



STRONG
POWER



SAFETY
VOLTAGE

PRODUCT ACCESSORIES



Standard control box
(This part should choose separately)



Copper Coil



Plastic Guide Vane



Stainless Steel Impeller



Floating Ball
(This part should choose separately)

3"DCF SOLAR DC PUMP

TAIZHOU
LIXING PUMP CO.,LTD

PRODUCT FEATURES AND ADVANTAGES

- 1.The DC control box with MPPT power tracking function, whose tracking efficiency is 5-10% higher than the ordinary one.
- 2.The DC control box has anti-reverse connection function. If it is reversed connected, it will alarm. If the control box without this function, when the positive and negative pole is reversed connected, the control box will be burnt, It is also dangerous.
- 3.All Lixing water pump bearings are original NSK bearings, low noise, high quality and long life.
- 4.Lixing impeller material is Stainless Steel 304. Its advantages are Lower abrasion and longer working life.
- 5.Lixing FLD deep well pumps, can stop working automatically when there is no water. It will check whether there is water Per 30 Minutes. With this function, it can protect the motor by itself easily.
- 6.The DC series control box can automatically check whether the power supply is from solar panels or batteries. If the electricity is from solar panel, it will start the MPPT power tracking function; if it's from batteries, then it will start over-load protection, under-pressure protection automatically.

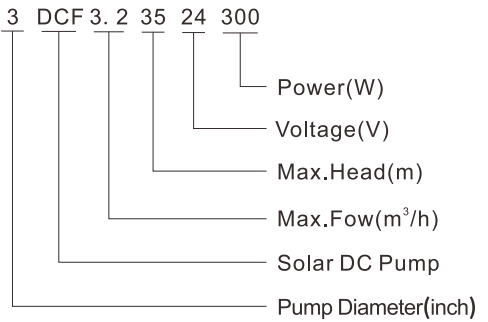
ADVANTAGES OF LIXING PMSM MOTOR

- 1.Lixing magnet steel grade is N40SH instead of N38SH and N35SH, N40SH has stronger magnetism, higher temperature resistance and slower demagnetization.
- 2.The coil is automatically wound by the machine which error rate is 0.
- 3.In order to improve pumps efficiency, Lixing Engineers have done many research and testing; Most of Lixing Pump Parts like stators, rotors and skeletons are redesigned by Lixing Engineers. In this way, these accessories's producing mold are developed by Lixing.
- 4.All Lixing water pump bearings are original NSK bearings, low noise, high quality and long life.
- 5.Lixing pump shaft is pure stainless steel 304.
- 6.Lixing Enameled wire is 180°C high temperature resistance wire.

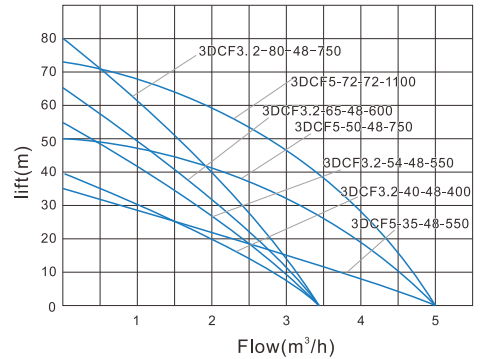
TECHNOLOGY DATA

| Specification | Rated Flow Max.Fow (m³/h) | Rated Head Max.Head (m) | Voltage (V) | Power (W) | Solar panel Open-Circuit Voltage range (V) | Suggest Power (W) | Pump Diameter (inch) | Outlet Diameter (inch) | Suggest Solar Panels |
|---------------------|---------------------------------|-------------------------------|----------------|--------------|--|-------------------------|----------------------------|------------------------------|----------------------------|
| 3DCF2.5-15-24-140 | 0.5/2.5 | 9/15 | DC24 | 140 | 26-50 | 250 | 3 | 1 | 1*200W |
| 3DCF2.7-22-24-180 | 0.8/2.7 | 15/22 | DC24 | 180 | 26-50 | 250 | 3 | 1 | 1*250W |
| 3DCF3.2-35-24-300 | 2/3.4 | 16/35 | DC24 | 300 | 26-50 | 500 | 3 | 1 | 2*250W |
| 3DCF3.2-35-48-300 | 2/3.4 | 16/35 | DC48 | 300 | 50-100 | 500 | 3 | 1 | 2*250W |
| 3DCF3.2-40-48-400 | 1/3.4 | 30/40 | DC48 | 400 | 50-100 | 600 | 3 | 1 | 2*300W |
| 3DCF3.2-54-48-550 | 1/3.4 | 40/54 | DC48 | 550 | 50-100 | 800 | 3 | 1 | 2*200W*2 |
| 3DCF5-35-48-550 | 2/5 | 22/35 | DC48 | 550 | 50-100 | 800 | 3 | 1 | 2*200W*2 |
| 3DCF3.2-65-48-600 | 1/3.4 | 48/65 | DC48 | 600 | 50-100 | 800 | 3 | 1 | 2*200W*2 |
| 3DCF3.2-80-75-750 | 1/3.4 | 60/80 | DC48 | 750 | 50-100 | 1000 | 3 | 1 | 2*250W*2 |
| 3DCF5-50-72-750 | 3/5 | 33/50 | DC48 | 750 | 50-100 | 1000 | 3 | 1 | 2*250W*2 |
| 3DCF3.2-80-75-750 | 1/3.4 | 60/80 | DC72 | 750 | 76-150 | 1080 | 3 | 1 | 3*200W*2 |
| 3DCF5-50-72-750 | 3/5 | 33/50 | DC72 | 750 | 76-150 | 1080 | 3 | 1 | 3*200W*2 |
| 3DCF3.2-120-72-1100 | 1/3.4 | 80/120 | DC72 | 1100 | 76-150 | 1500 | 3 | 1 | 3*250W*2 |
| 3DCF5-72-72-1100 | 3/5 | 50/72 | DC72 | 1100 | 76-150 | 1500 | 3 | 1 | 3*250W*2 |
| 3DCF5.4-85-96-1300 | 3/5.4 | 63/85 | Dc96 | 1300 | 100-200 | 1720 | 3 | 1 | 3*300W*2 |

DESCRIPTION OF SPECIFICATION



DIAGRAM



3"DCS SOLAR SCREW PUMP



STAINLESS
STEEL BODY



COPPER
MOTOR



LARGE
FLOW



ANTI-CORROSION
ANTI-RUST



STRONG
POWER



SAFETY
VOLTAGE

PRODUCT ACCESSORIES



Copper Coil



Standard control box
(This part should choose separately)



Screw



Floating Ball
(This part should choose separately)

3"DCS SOLAR SCREW PUMP

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LIXING PUMP CO.,LTD

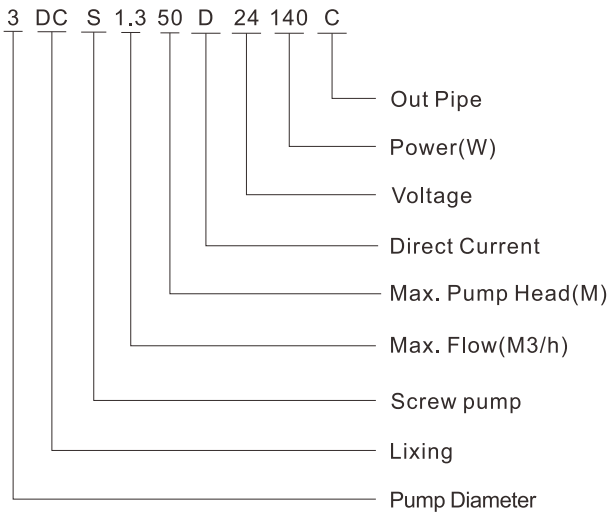
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- 5.Lixing pump shaft is pure stainless steel 304.Lixing Enameled wire is 180°C high temperature resistance wire.

DESCRIPTION OF SPECIFICATION



MATERIAL OF PARTS

- Cable: Black Circle
- Bearing: NSK
- Motor: Permanent Magnet Synchronous Moto
- Pump body: Brass, Stainless steel
- Net cover and screw: 304 stainless steel
- Controller shell: Aluminum die casting

TECHNOLOGY DATA

| Specification | Rated Flow Max.Fow (m³/h) | Rated Head Max.Head (m) | Pump | | Solar panel | | Pump Diameter (inch) | Outlet Diameter (inch) | Suggest Solar Panels |
|----------------------|---------------------------------|-------------------------------|------------|-----------|---|----------------------|----------------------------|------------------------------|-------------------------|
| | | | Voltage(V) | Power (W) | Solar panel Open-Circuit Voltage range (V) | Suggest Power (W) | | | |
| 3DCS1.0-30-D24-80 | 1 | 30 | DC24 | 80 | 26-50 | 150 | 3 | 0.75 | 1*200W |
| 3DCS1.3-50-D24-140 | 1.3 | 50 | DC24 | 140 | 26-50 | 200 | 3 | 0.75 | 1*200W |
| 3DCS1.8-80-D24-210 | 1.8 | 80 | DC24 | 210 | 26-50 | 300 | 3 | 0.75 | 1*300W |
| 3DCS1.8-100-D24-270 | 1.8 | 100 | DC24 | 300 | 26-50 | 500 | 3 | 0.75 | 2*250W |
| 3DCS1.8-120-D48-500 | 1.8 | 120 | DC48 | 500 | 50-100 | 800 | 3 | 0.75 | 2*200W*2 |
| 3DCS2.3-140-D48-750 | 2.3 | 140 | DC48 | 750 | 50-100 | 1200 | 3 | 0.75 | 2*300W*2 |
| 3DCS2.3-160-D72-1100 | 2.3 | 160 | DC72 | 1100 | 76-150 | 1500 | 3 | 0.75 | 3*250W*2 |
| 3DCS2.3-180-D72-1200 | 2.3 | 180 | Dc72 | 1200 | 76-150 | 1800 | 3 | 0.75 | 3*300W*2 |

4"DCP SOLAR DC PUMP



STAINLESS
STEEL BODY



COPPER
MOTOR



LARGE
FLOW



ANTI-CORROSION
ANTI-RUST



STRONG
POWER



SAFETY
VOLTAGE

PRODUCT ACCESSORIES



Standard control box
(This part should choose separately)



Copper Coil



Plastic Guide Vane



6SP material 304

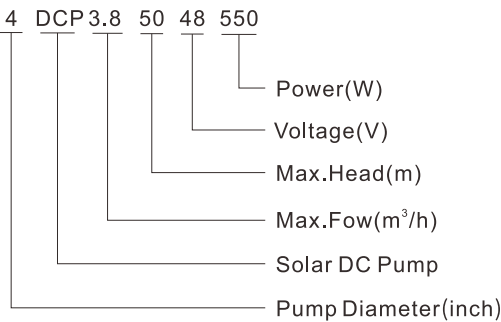


Floating Ball
(This part should choose separately)

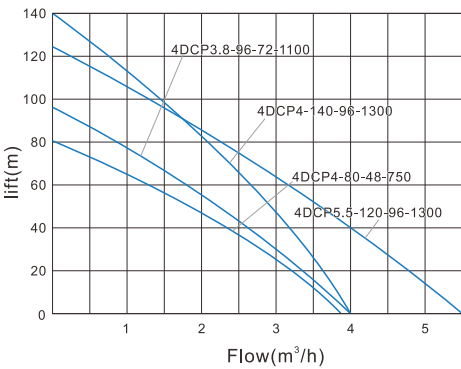
4"DCP SOLAR DC PUMP

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LIXING PUMP CO.,LTD

DESCRIPTION OF SPECIFICATION



DIAGRAM



TECHNOLOGY DATA

| Specification | Rated Flow Max.Fow (m³/h) | Rated Head Max.Head (m) | Pump | | Solar panel | | Pump Diameter (inch) | Outlet Diameter (inch) | Suggest Solar Panels |
|---------------------|---------------------------------|-------------------------------|------------|-----------|---|----------------------|----------------------------|------------------------------|-------------------------|
| | | | Voltage(V) | Power (W) | Solar panel Open-Circuit Voltage range (V) | Suggest Power (W) | | | |
| 4DCP3.8-50-48-550 | 3.8 | 50 | DC48 | 550 | 42-100V | 800 | 4 | 1.25 | 2*200W*2 |
| 4DCP5.5-36-48-550 | 5.5 | 36 | DC48 | 550 | 42-100V | 800 | 4 | 1.25 | |
| 4DCP7-30-48-550 | 7 | 30 | DC48 | 550 | 42-100V | 800 | 4 | 1.25 | |
| 4DCP10-21-48-550 | 10 | 21 | DC48 | 550 | 42-100V | 800 | 4 | 1.5 | |
| 4DCP4-80-48-750 | 4 | 80 | DC48 | 750 | 42-100V | 1000 | 4 | 1.25 | 2*250W*2 |
| 4DCP5.5-54-48-750 | 5.5 | 54 | DC48 | 750 | 42-100V | 1000 | 4 | 1.25 | |
| 4DCP7-40-48-750 | 7 | 40 | DC48 | 750 | 42-100V | 1000 | 4 | 1.25 | |
| 4DCP10-32-48-750 | 10 | 32 | DC48 | 750 | 42-100V | 1000 | 4 | 1.5 | |
| 4DCP3.8-96-72-1100 | 3.8 | 96 | DC72 | 1100 | 63-150V | 1500 | 4 | 1.25 | 3*250W*2 |
| 4DCP5.5-72-72-1100 | 5.5 | 72 | DC72 | 1100 | 63-150V | 1500 | 4 | 1.25 | |
| 4DCP7-60-72-1100 | 7 | 60 | DC72 | 1100 | 63-150V | 1500 | 4 | 1.25 | |
| 4DCP10-43-72-1100 | 10 | 43 | DC72 | 1100 | 63-150V | 1500 | 4 | 1.25 | |
| 4DCP18-22-72-1100 | 18 | 22 | DC72 | 1100 | 63-150V | 1500 | 4 | 1.25 | |
| 4DCP534-15-72-1100 | 34 | 15 | DC72 | 1100 | 63-150V | 1500 | 4 | 1.25 | |
| 4DCP4-140-96-1300 | 4 | 140 | DC96 | 1300 | 42-100V | 1720 | 4 | 1.25 | 3*300W*2 |
| 4DCP5.5-120-96-1300 | 5.5 | 120 | DC96 | 1300 | 42-100V | 1720 | 4 | 1.25 | |
| 4DCP7-95-96-1300 | 7 | 95 | DC96 | 1300 | 42-100V | 1720 | 4 | 1.25 | |
| 4DCP10-60-96-1300 | 10 | 60 | DC96 | 1300 | 42-100V | 1720 | 4 | 1.5 | |
| 4DCP18-33-96-1300 | 18 | 33 | DC96 | 1300 | 42-100V | 1720 | 4 | 2 | |
| 4DCP38-18-96-1300 | 38 | 18 | DC96 | 1300 | 42-100V | 1720 | 6 | 3 | |
| 4DCP3.7-154-96-1500 | 3.7 | 154 | DC96 | 1500 | 42-100V | 2250 | 4 | 1.25 | 4*265W*2 |
| 4DCP5.5-132-96-1500 | 5.5 | 132 | DC96 | 1500 | 42-100V | 2250 | 4 | 1.25 | |
| 4DCP7.7-105-96-1500 | 7.7 | 105 | DC96 | 1500 | 42-100V | 2250 | 4 | 1.25 | |
| 4DCP11-66-96-1500 | 11 | 96 | DC96 | 1500 | 42-100V | 2250 | 4 | 1.5 | |
| 4DCP20-36-96-1500 | 20 | 36 | DC96 | 1500 | 42-100V | 2250 | 4 | 2 | |
| 4DCP42-20-96-1500 | 42 | 20 | Dc96 | 1500 | 42-100V | 2250 | 6 | 3 | |