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SOLARLAND[®]
Solar Technology and Solutions

Solar DC Pump System



Solar pump system has a wide range of applications, such as offering domestic water, helping agricultural and forestry irrigation, and desertification control. It can also supply water to sea islands, animal husbandry, and water treatment projects. With the promotion of new energy utilization, recently the usage of solar water pump has been more and more increased. You can find them in government projects, landscape architectures and fountains of city squares, parks, tourist attractions, sometimes hotels and residential areas.

Features

- Driven by solar power; low cost for facility and maintenance, recovering the cost within 3-5 years.
- Dripping, sprinkling, spring irrigation without external energy.
- Customized systems provided.
- No pollution, environmental-friendly.
- Operating automatically, safely, reliably and stably.
- Easy to install the solar pump.
- Integrate the water level sensor/pump controller inside the solar pump.



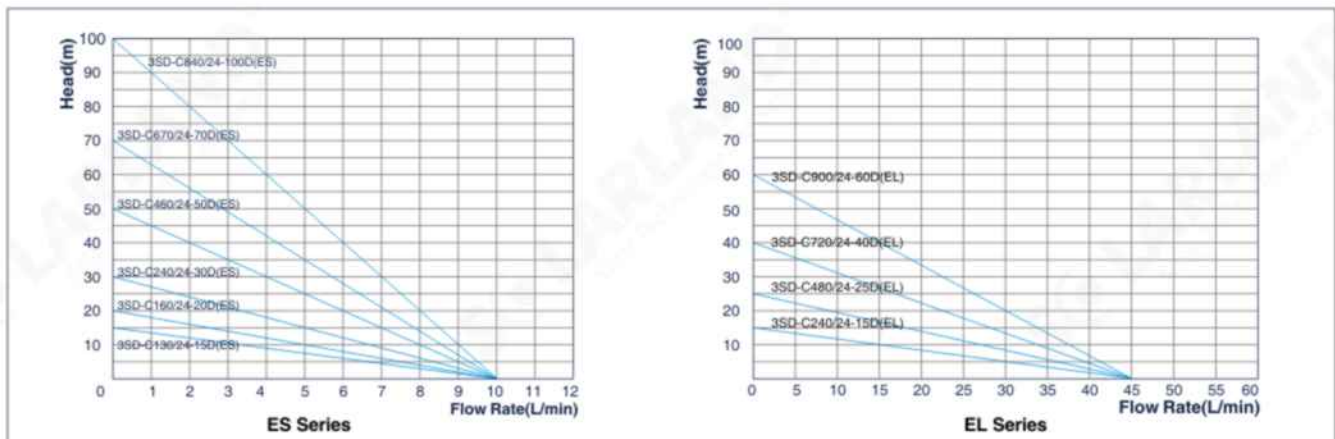
Solar DC Pump System

Pump Performance:

Type	Power	Voltage	Max Head	Max Flow Rate	Packing Size	Inlet Size	Outlet Size	Protection Grade
	W	V	m	L/min[gal/min]				
3SD-C130/24-15D(ES)	130	24	15	10[2.2]	600[23.62]x120[4.72]x120[4.72]	76[3.00]	32[1.25]	IP68
3SD-C160/24-20D(ES)	160	24	20	10[2.2]	850[33.46]x120[4.72]x120[4.72]	76[3.00]	32[1.25]	IP68
3SD-C240/24-30D(ES)	240	24	30	10[2.2]	1000[39.37]x120[4.72]x120[4.72]	76[3.00]	32[1.25]	IP68
3SD-C460/24-50D(ES)	460	24	50	10[2.2]	1300[51.18]x120[4.72]x120[4.72]	76[3.00]	32[1.25]	IP68
3SD-C670/24-70D(ES)	670	24	70	10[2.2]	1600[62.99]x120[4.72]x120[4.72]	76[3.00]	32[1.25]	IP68
3SD-C840/24-100D(ES)	840	24	100	10[2.2]	2000[78.74]x120[4.72]x120[4.72]	76[3.00]	32[1.25]	IP68

Type	Power	Voltage	Max Head	Max Flow Rate	Packing Size	Inlet Size	Outlet Size	Protection Grade
	W	V	m	L/min[gal/min]				
3SD-C240/24-15D(EL)	240	24	15	45[9.9]	800[31.50]x120[4.72]x120[4.72]	76[3.00]	32[1.25]	IP68
3SD-C480/24-25D(EL)	480	24	25	45[9.9]	1050[41.34]x120[4.72]x120[4.72]	76[3.00]	32[1.25]	IP68
3SD-C720/24-40D(EL)	720	24	40	45[9.9]	1300[51.18]x120[4.72]x120[4.72]	76[3.00]	32[1.25]	IP68
3SD-C900/24-60D(EL)	900	24	60	45[9.9]	1600[62.99]x120[4.72]x120[4.72]	76[3.00]	32[1.25]	IP68

Work Curve:



The Selection Of Solar Panels For Solar Pumps(recommended):

Solar Pump System Type	Pump Type	Solar Panel (W*pcs)	Peak Voltage Vmp(V)	Open Circuit Voltage Voc(V)
BSP-C130/24-15D(ES)	3SD-C130/24-15D (ES)	180x1	34-36	42-44
BSP-C160/24-20D(ES)	3SD-C160/24-20D (ES)	260x1	34-36	42-44
BSP-C240/24-30D(ES)	3SD-C240/24-30D (ES)	180x2	34-36	42-44
BSP-C460/24-50D(ES)	3SD-C460/24-50D (ES)	260x3	34-36	42-44
BSP-C670/24-70D(ES)	3SD-C670/24-70D (ES)	260x4	34-36	42-44
BSP-C840/24-100D(ES)	3SD-C840/24-100D (ES)	260x5	34-36	42-44

Solar Pump System Type	Pump Type	Solar Panel (W*pcs)	Peak Voltage Vmp(V)	Open Circuit Voltage Voc(V)
BSP-C240/24-15D (EL)	3SD-C240/24-15D (EL)	180x2	34-36	42-44
BSP-C480/24-25D (EL)	3SD-C480/24-25D (EL)	260x3	34-36	42-44
BSP-C720/24-40D (EL)	3SD-C720/24-40D (EL)	260x4	34-36	42-44
BSP-C900/24-60D (EL)	3SD-C900/24-60D (EL)	260x5	34-36	42-44

*The matched solar panel's power: 1.3-1.8 times x pump's power.