

# In-Built Controller Brushless Solar Pump

1. Easy installation and easy operation, connect with solar panel directly no need external controller.
2. Can be powered by both solar panel and battery.
3. Brushless permanent magnetic motor, controller inside, long working life and high working efficiency.
4. Dry-running auto protection.
5. Franklin motor standard.
6. High-quality full SS304 materials.
7. Thicker material, more durable, more power.
8. Water cooled motor.



**In-Built  
Controller**

# 3SPN1-14P 174 PSI Max

## 120M-4.0m<sup>3</sup>/h-180V-1200W/ 1.61 HP

<b>m<sup>3</sup>/h</b>	4.0	3.8	3.7	3.5	3.0	2.4	1.8	2.5	1.3	0
<b>GPM</b>	17.7	16.6	16.38	15.32	13.21	10.6	7.92	6.60	5.81	0
<b>H(F)</b>	0	33	65	98	164	229	295	328	360	393

<b>Motor DIM&amp;Power</b>	3" / 1200w
<b>Voltage</b>	80-150V Best: 96-130V
<b>Solar Panel Proposal</b>	340W*4 PCS
<b>Pump DIM</b>	3"
<b>Pump Outlet</b>	1.5"

<b>More Model for 1200W</b>		<b>Pump Outlet</b>
3SPN3-8P	61M-7.8m <sup>3</sup> /h-180V-1200W	1.5"
4SPN2-9P	112M-5.0m <sup>3</sup> /h-180V-1200W	2"
4SPN3-8P	92M-5.9m <sup>3</sup> /h-180V-1200W	2"
4SPN4-4P	61M-9.0m <sup>3</sup> /h-180V-1200W	2"
4SPN6-4P	52M-10.8m <sup>3</sup> /h-180V-1200W	2"
4SPN12-2P	23M-18.8m <sup>3</sup> /h-180V-1200W	2"

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