

# 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**

# 4SPN1-16P 253.75 PSI

Max 175M-3.7m<sup>3</sup>/h-450V-1800W/ 2.41 HP

<b>m<sup>3</sup>/h</b>	3.7	3.3	3.0	2.6	2.3	1.9	1.4	0.9	0.5	0
<b>GPM</b>	16.38	14.53	12.94	11.36	10.04	8.19	6.08	3.70	2.11	0
<b>H(F)</b>	0	65	131	196	262	328	393	459	525	574

<b>Motor DIM&amp;Power</b>	3" / 1800w
<b>Voltage</b>	60-450V Best: 180-230V
<b>Solar Panel Proposal</b>	440W*6 PCS
<b>Pump DIM</b>	4"
<b>Pump Outlet</b>	2"

<b>More Model for 1800W</b>		<b>Pump Outlet</b>
4SPN2-9P	142M-5.6m <sup>3</sup> /h-450V-1800W	1.5"
4SPN3-8P	126M-7.2m <sup>3</sup> /h-450V-1800W	2"
4SPN4-6P	105M-9.1m <sup>3</sup> /h-450V-1800W	2"
4SPN6-5P	76M-13.9m <sup>3</sup> /h-450V-1800W	2"
4SPN12-3P	47M-22.5m <sup>3</sup> /h-450V-1800W	2"
4SPN16-2P	21M-27.8m <sup>3</sup> /h-450V-1800W	2"

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