

# 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**

# 4SPN1-21P 348 PSI

Max 240M-3.7m<sup>3</sup>/h-450V-2200W/ 3 HP

<b>m<sup>3</sup>/h</b>	3.7	3.3	2.6	2.1	1.7	1.4	0.9	0.7	0.2	0
<b>GPM</b>	16.11	14.53	11.62	9.00	7.66	6.08	4.32	2.91	0.80	0
<b>H(F)</b>	0	65	262	393	459	525	590	656	721	787

<b>Motor DIM&amp;Power</b>	4" / 2200w
<b>Voltage</b>	60-450V Best: 220-300V
<b>Solar Panel Proposal</b>	340W*7 PCS
<b>Pump DIM</b>	4"
<b>Pump Outlet</b>	2"

More Model for 2200W		Pump Outlet
4SPN2-13P	198M-5.7m <sup>3</sup> /h-450V-2200W	2"
4SPN3-9P	160M-7.4m <sup>3</sup> /h-450V-2200W	2"
4SPN4-8P	142M-9.4m <sup>3</sup> /h-450V-2200W	2"
4SPN8-7P	100M-17.3m <sup>3</sup> /h-450V-2200W	2"
4SPN12-5P	62M-23.7m <sup>3</sup> /h-450V-2200W	2"
4SPN16-3P	33M-31.3m <sup>3</sup> /h-450V-2200W	2"

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