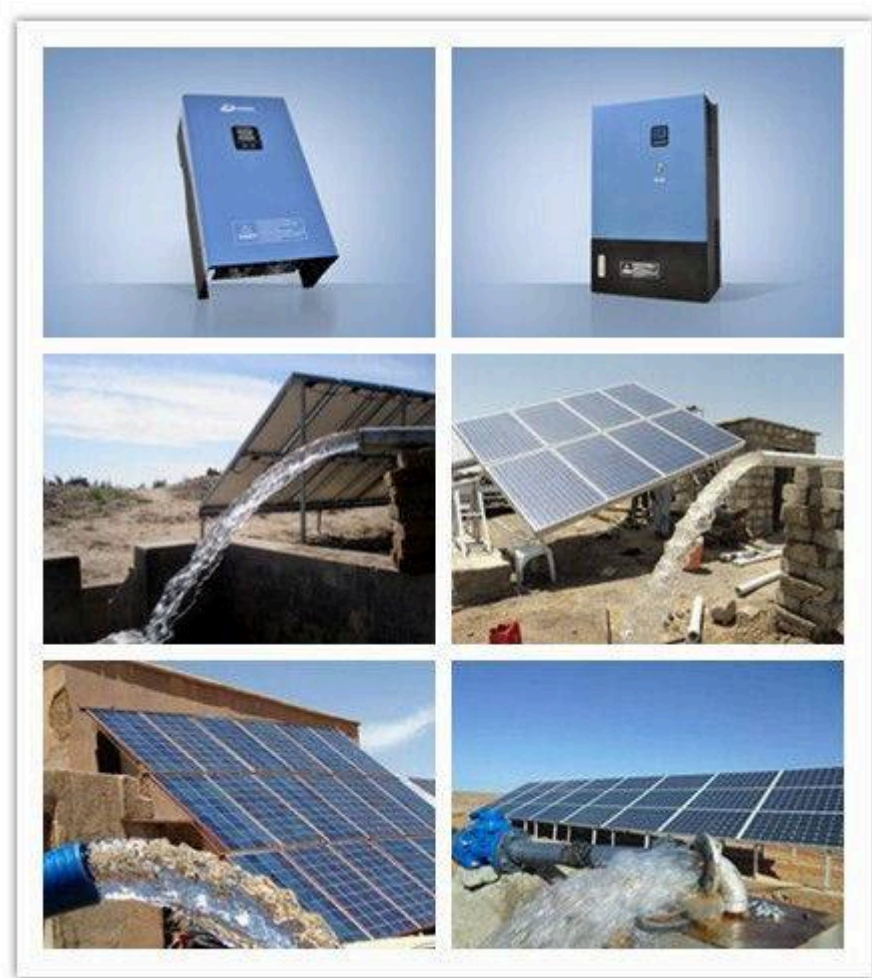


Solar Pumping Inverter

Automatic Hybrid Solar/AC /Battery Power input

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Solar Hybrid Pumping Inverter



Solar pumping inverter convert the DC power produced by PV array to AC power, then drives the pump to work. It adopts MPPT(maximum power point tracking) control method which allows the inverter can adjust the output frequency according to the solar irradiation.

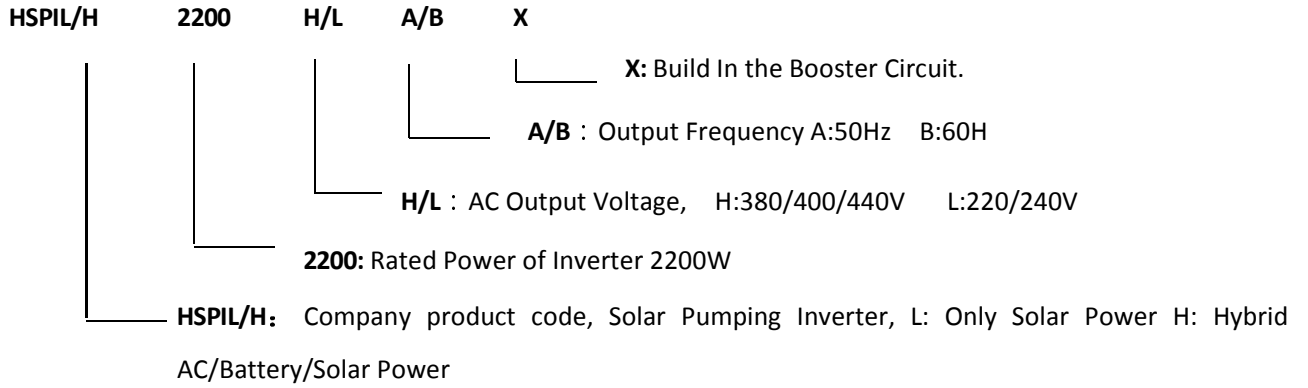
Solar Pumping Inverter

Automatic Hybrid Solar/AC/Battery Power input

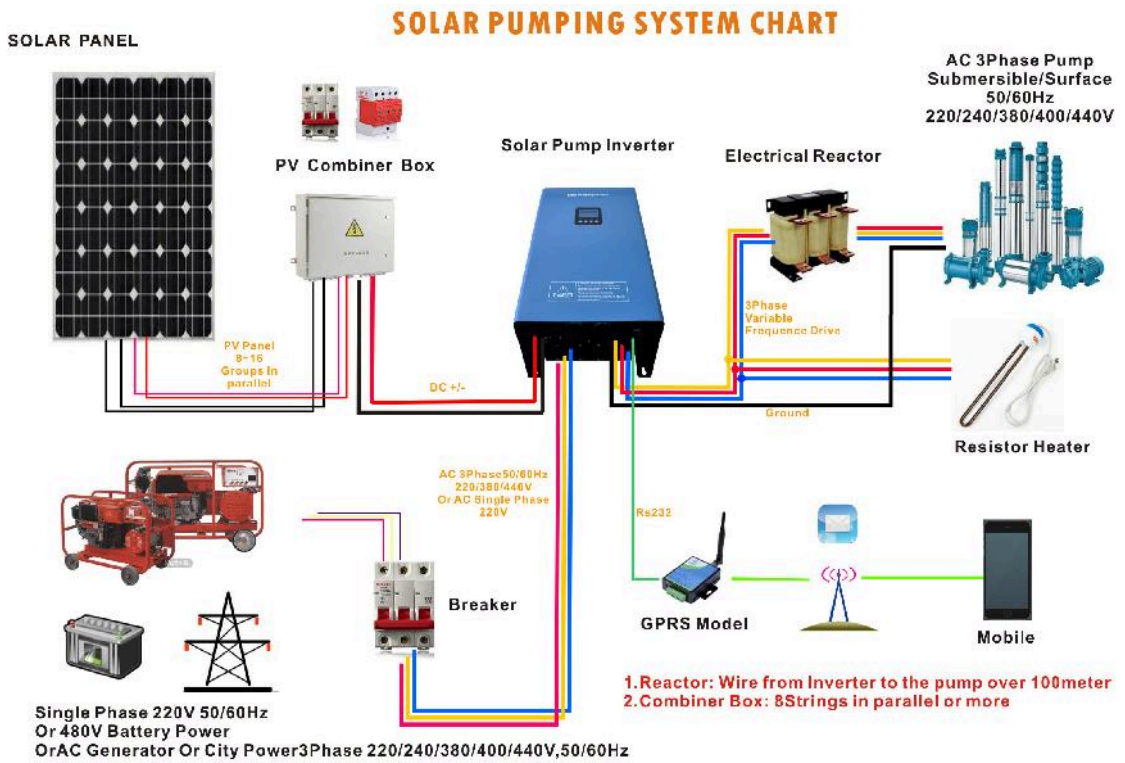
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2. NAMING RULE

Solar Pumping Inverter:



Solar Pumping System Construction:



PARAMETERS

Solar Pumping Inverter

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Model	Rated power (KW)	Solar Panel Voltage (Voc Min-Max)	Solar Panel Voltage (Vmp)	Hybrid AC Power	Hybrid Battery Power Voltage	Solar Booster (Input Voltage 55-95V)	Pump Voltage	Pump Frequency	Pump Power
HSPIL/H750L	0.75	200-450	≥ 300	Single Phase 220V, 50/60Hz	312V	Y	AC 3Phase 220/240V	50 ~ 60Hz	< 750W
HSPIL/H1500L	1.5					Solar Booster and Hybrid AC power is alternative			< 1500W
HSPIL/H2200L	2.2					N			< 2200W
HSPIL/H750H	0.75	400-780	≥ 500	Three Phase 380/400/440V, 50/60Hz	480V	Y	AC 3Phase 380/400/440V	50 ~ 60Hz	< 750W
HSPIL/H1500H	1.5					Solar Booster and Hybrid AC power is alternative			< 1500W
HSPIL/H2200H	2.2								< 2200W
HSPIL/H3700H	3.7								< 3700W
HSPIL/H5500H	5.5								< 5500W
HSPIL/H7500H	7.5								< 7500W
HSPIL/H11KH	11								< 11KW
HSPIL/H15KH	15								< 15KW
HSPIL/H18KH	18								< 18KW
HSPIL/H22KH	22								< 22KW
HSPILL/H30KH	30								< 30KW
HSPIL/H37KH	37								< 37KW
HSPIL/H45KH	45								< 45KW
HSPIL/H55KH	55								< 55KW
HSPIL/H75KH	75								< 75KW
HSPIL/H100KH	100		< 100KW						
HSPIL/H150KH	150		< 150KW						

Table 1

NOTE :

- 1 .Solar Panel's Power configured to 1.2 ~ 2 times of pump's power , according to the pump's efficiency and sunshine of solar pumping system installed location.
- 2 . Solar Booster support max power of pump is 750W.
3. Hybrid power automatic support 750W to 30KW, 37KW to 150KW by manual.

WIRING.

Solar Pumping Inverter

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Model	Max Input Current	Preesure Voltage of input wire	Input wire diameter	Output Current	Pressure Voltage of output wire	Output wire diameter
HSPIL/H750L	4A	600V	2 x 2.5mm ²	4.8A	500V	2.5mm ²
HSPIL/H750H	16A	600V	2 x 2.5mm ²	2.1A	500V	2.5mm ²
HSPIL/H1500L	6.5A	600V	2 x 2.5mm ²	9.2A	500V	2.5mm ²
HSPIL/H1500H	35A	600V	2 x 2.5mm ²	3.8A	500V	2.5mm ²
HSPIL/H2200L	10A	600V	2 x 2.5mm ²	11A	500V	2.5mm ²
HSPIL/H2200H	8A	1KV	2 x 2.5mm ²	7.2A	500V	2.5mm ²
HSPIL/H3700H	11A	1KV	2 x 4mm ²	10A	500V	2.5mm ²
HSPIL/H5500H	17.5A	1KV	4 x 4mm ²	13A	500V	2.5mm ²
HSPIL/H7500H	22A	1KV	4 x 4mm ²	18A	500V	2.5mm ²
HSPIL/H11KH	31A	1KV	4 x 4mm ²	24A	500V	4mm ²
HSPIL/H15KH	40A	1KV	4 x 4mm ²	30A	500V	4mm ²
HSPIL/H18KH	48A	1KV	6 x 4mm ²	39A	500V	6mm ²
HSPIL/H22KH	58A	1KV	6 x 4mm ²	45A	500V	6mm ²
HSPIL/H30KH	79A	1KV	6 x 4mm ²	60A	500V	10mm ²
HSPIL/H37KH	96A	1KV	12x 4mm ²	75A	500V	15mm ²
HSPIL/H45KH	117A	1KV	12 x 4mm ²	91A	500V	20mm ²
HSPIL/H55KH	137A	1KV	12 x 4mm ²	112A	500V	25mm ²
HSPIL/H75KH	187A	1KV	50mm ²	150A	500V	30mm ²
HSPIL/H100KH	240A	1KV	65mm ²	200A	500V	40mm ²

Table-2

3. INSTRUCTIONS.

3.1 Socket

Solar Pumping Inverter

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