

# BOREHOLE DC SOLAR

## Pumps HR(SS304) & HRI(SS201) (3")



The HR & HRI solar borehole range are manufactured with a permanent magnet, brush-less motor technology that generates better efficiency and performance. This product is ideal for application in remote arid areas with limited or unreliable power supply. The compact and lightweight design, ensures that these units are suitable for mobile applications.

### Product Feature:

- Permanent magnet, brush-less motor, saving energy and offering maximum efficiency.
- NSK bearing with alloy mechanical seal.
- Intelligent water shortage protection.
- MPPT function offers higher utilization rate of solar energy.
- Automatic Stop | Start.
- Soft start protection.
- Over current protection.
- Max Water Submersion Depth : 50m
- Max Flow: 1600L/h
- Max Head: 180m
- Pump Isolation IP68
- Motor Speed 500 - 4000rpm
- Discharge 20mm
- Power ` 210 - 1200watt
- Voltage DC24 - DC72

### Application:

Suitable for installations in boreholes, wells, rivers, dams and tanks with minimum ID Ø 80mm.

### Working Conditions:

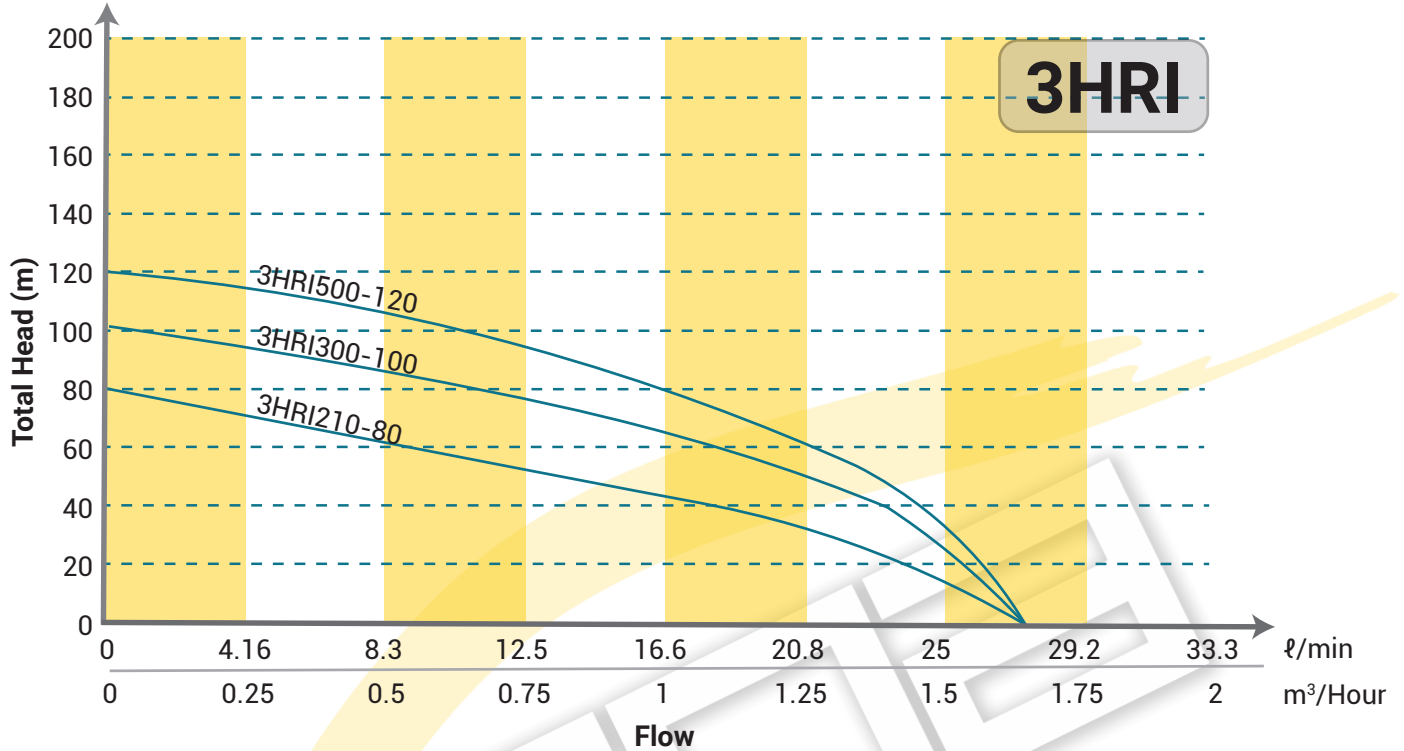
- Non-corrosive water with a volume ratio of sand content not exceeding 1% and the particle size not exceeding 0.5mm.
- HRI Series not recommended for brackish water.
- Max pumped liquid temperature: 40°C
- PH capability: 6.5 - 8.5
- Max control box temperature: 60°C

### Technical Summary:

MODEL	DC MOTOR VOLTAGE (V)	MAX INPUT DC V.O.C (V)	MAX INPUT AMPERAGE	POWER (WATT)	MAX FLOW (m³/h)	MAX HEAD (m)	OUTLET (INCH)	CABLE SIZE
3HRI210-80	24	48	17	210	1.6	80	3/4"	3 Core 2mm²
3HRI300-100	48	96	17	300	1.6	100	3/4"	3 Core 2mm²
3HRI500-120	48	96	17	500	1.6	120	3/4"	3 Core 2mm²

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3HR210-80	24	48	17	210	1.6	80	3/4"	3 Core 2mm²
3HR300-100	48	96	17	300	1.6	100	3/4"	3 Core 2mm²
3HR500-120	48	96	17	500	1.6	120	3/4"	3 Core 2mm²
3HR750-140	72	144	17	750	1.6	140	3/4"	3 Core 2mm²
3HR1200-180	72	144	17	1200	1.6	180	3/4"	3 Core 2mm²

### Performance Data:



Model	Flow	l/min	0	4.16	8.3	12.5	16.6	20.8	25	29.16
		l/hour	0	250	500	750	1000	1250	1500	1750
3HRI210-80	HEAD	80	75	65	55	43	30	18	0	0
3HRI300-100		100	95	85	78	65	45	27	0	0
3HRI500-120		120	110	105	90	75	60	30	0	0

### Included in Kit:

PUMP & MOTOR	CONTROL BOX	PUMP PROBE	LEVEL PROBE	SWAGE NIPPLE	ROTOR SET	CLAMP
						
HEAT SHRINK	HEAT SHRINK	SEALANT TAPE	PVC TAPE	THREAD TAPE	MOUNTING BOLTS	FUSE
						
FERRULE	SNAP HOOK	ALLEN KEY	LUG	SCREW DRIVER	BRACKET SCREWS	BRACKET
						