

Technical Details

PARAMETERS

PUMP CODE	MOTOR POWER	RECOMMENDED SOLAR ARRAY	MINIMUM INPUT VOLTAGE	MAXIMUM INPUT VOLTAGE	MAXIMUM OUTPUT CURRENT PER PHASE	OUTPUT FREQUENCY
	HP	KWP	V	V	A(rms)	A(rms)
A	0.5	0.3 to 0.6	60	120	7.5	Up to 110
B	1	0.8 to 1.2	60	200	7.5	Up to 110
C	2	1.2 to 2.0	130	350	7.5	Up to 110
D	3	1.8 to 3.5	130	430	7.5	Up to 110
E	5	4.5 to 5.5	130	800	7.5	Up to 110
F	7.5	6.8 kW	130	500	7.5	Up to 200
G	10	9.6 kW	300	800	7.5	Up to 200

SPECIFICATIONS

1	Type of motor	PMSM / Induction
2	Mppts Efficiency	>99.9 %
3	Output frequency range	20 Hz to 110 Hz
4	Drive Efficiency	> 98 % Lop
5	Temperature	Ambient Max 50 Deg C
6	Indication	1. Led 7 Segment X 5 Display For Motor And Solar Parameters Like Power, Voltage, Current, Energy, Frequency, Temperature, Time Running 2. Leds To Show Pump Status (Sump On, Fault, Tank Full)
7	Additional Interfaces	Float Switch Input
8	Port	PV + Ve And – Ve, 3 Phase Output
9	Protection class	IP 65
10	Cooling	Natural Air Cooled
11	Solar Pump Protection Functions	Short Circuit/ Inter-phase Fault Of Motor, Phase Open, Pv Reverse, Pv Short, Dry Run Detection & Stopping Of Motor, Pump Clogging & High Torque Current Drawn, High Temperature Auto Back Off

