

Model: EM3665

Motor Watts	210 Watt
Solar panel Watts	270 Watt
Solar panel connection array	3 x 90 Watt
Solar panel Voltage at controller BEFORE switch-on	60V
Solar panel Voltage at controller AFTER switch-on	58V
AC pump Voltage at controller after switch-on	35.7V

Solar generator	Vertical lift	Hours sunlight	5M	10M	15M	20M	25M	30M	35M	40M	45M	50M	55M	60M	65M
3 standard 12V wired in series Voc 100V max	irradiation	7.5	9.5	9.2	8.8	8.2	7.3	6.4	6	5.2	4.5	3.4	2.6	1.8	0.7
	kWh/	6	7.5	7	6.8	6.6	5.8	5.2	4.8	4.2	3.6	2.7	2.1	1.5	0.6
	m <sup>2</sup> /day	4.5	5.5	5.2	5	4.5	4.4	3.8	3.6	3.1	2.7	1.8	1.5	1.1	0.4
<b>Run current</b>			2.9	3.4	3.7	4.1	4.5	4.9	5.1	5.3	5.3	5.3	5.3	5.3	5.5
Pump type			EM3665												
wire size			2.5mm <sup>2</sup>												

4mm<sup>2</sup>

Use MIPS3000 controller with 36V Enviromax pump specified & solar panel array indicated

**Procedure**

**Lift** - Find the lift you require and read the column below it

**Daily volume** - Find the daily volume you require at an irradiation of 7.5, 6, or 4.5

**Pipe sizing** - Use peak flow rate for pipe sizing

**Wire size, Max. wire length**