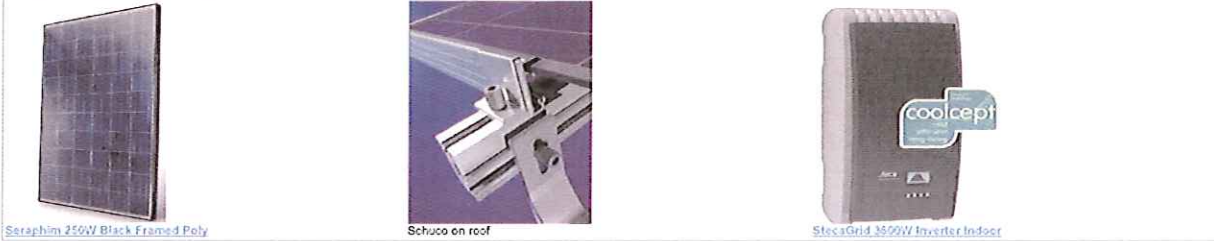


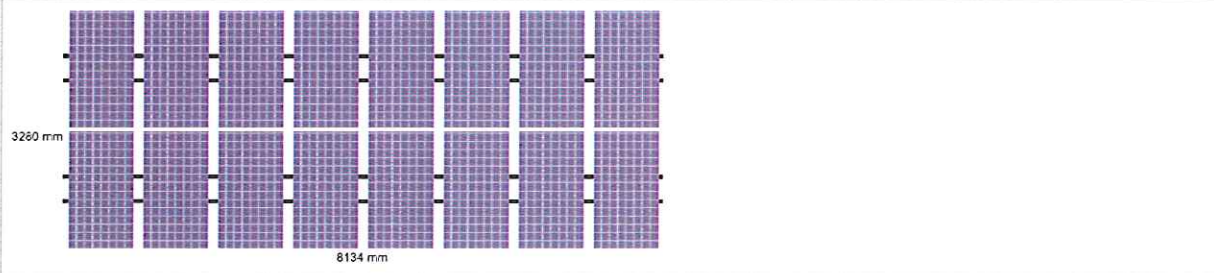
# MR & MS Hymas - Fox & Rabbit Holiday Cottages

NYM / 2014 / 0799 / FL -

## Major System Components



## Array Design



## System Summary

Physical		Panel	
<b>Roof</b>		<b>Panel Specifications</b>	
Orientation:	0°	Type:	Seraphim 250W Black Framed Poly
Pitch:	35°	Number required:	16
<b>Location</b>		Rating:	250 Wp
Region:	North East England	Length:	1,640 mm
<b>Array</b>		Width:	992 mm
Width:	8.13 m	Voc at STC:	37.1 V
Height:	3.28 m	Vmpp at STC:	29.9 V
Surface Area:	26.69 m <sup>2</sup>	Imp at STC:	8.35 A
Weight:	316.72 kg	<b>Array Specifications</b>	
Weight / m <sup>2</sup> :	11.87 kg	Array Power:	4,000 Wp

Inverter		Electrical (per Inverter)	
Type:	StecaGrid 3600W Inverter Indoor	Quantity:	1
Phases:	1	String Quantity:	1
No. of MPPT:	1	String Split A/B:	1x16 / 0x0
Rated AC Power:	3,600 W	String Voc at +80°C:	489.13 / 0.00 V
<b>Max DC</b>		String Voc at -15°C:	669.59 / 0.00 V
Current:	12.00 A	String Vmpp at +60°C:	408.08 / 0.00 V
Voltage:	845 V	String Vmpp at -5°C:	538.69 / 0.00 V
<b>PP Voltage</b>		Input Imp at +25°C:	8.35 / 0.00 A
Min:	350 V	Distance to Array:	0 m
Max:	700 V	Cable Area:	N/A
		Voltage Drop:	

## PV Performance Estimation

A. Installation Data	New MCS Calculation
Installed capacity of PV system - kWp (etc)	4,000 kWp
Orientation of the PV system - degrees from South	0°
Inclination of system - degrees from horizontal	35°
Postcode region	
B. Calculation	
kWh/kWp (KK) from table	914 kWh/kWp
Shade factor (SF)	1.00
Estimated annual output (kWp x KK x SF)	3,656 kWh

NYM/14/0799/FL  
25 NOV 2014