



- Notes:
1. All dimensions to be confirmed on site prior to installation.
  2. All dimensions are indicative only and in mm unless otherwise specified.
  3. Drawing based on:  
Final Planning Layout\_Twitch Hill Solar\_07.02.2022.dwg

- Legend:
- Site boundary
  - Perimeter fence
  - Over-head line (OHL)
  - Cable route to battery storage
  - Land drain
  - NSN pipeline
  - Intermittent planting
  - Maintenance track (4m width)
  - Construction access track
  - Transformer station
  - Tree line
  - Flowering meadow
  - Ecology enhancement zone
  - Proposed Hedge
  - Battery storage compound

System description:

DC Power kWp:	25 008.75
AC Power kVA:	18 920 (@215kVA)
No. of modules:	42 750
Module type:	CS6Y-585MB-AG Bifacial (585 Wp)
Dimensions:	2448x1135x35
Substructure type:	2 modules in portrait
Tilt angle:	20°
Shading angle:	22°
Azimuth from South:	Due South
Pitch distance:	Min. 8 781 mm - Max. 10 056 mm
Row to row distance:	Min. 4 162 mm - Max. 5 436 mm
No. of inverters:	88
Inverter type:	Huawei SUN2000-215KTL-H0
Power ratio:	1.39 / 1.46 (@Pnom - 200 kVA)
No. of AC combiners:	-
No. of Transformers:	4
Fence area:	-36.04 ha
Fence length:	-2 720 m
Total area:	-



Revisions:

Rev	Date	Comments	Drawn
A	07/06/21	Panel placement adjusted	OA
B	20/08/21	PV area increased, topography updated	UZ
C	25/08/21	Topography updated for 19 MVA export option	UZ
D	06/12/21	Layout updates	OA
E	09/02/22	OS Map changed	TS

Project: Twitch Hill  
 Location: Cheswell Grange, Newport, Telford, TF10 9AE, UK  
 52°44'43.15"N 2°25'34.10"W  
 Title: PV Layout (Solar site plan)

Drawn: DETRA / OA Checked: PC  
 Scale: 1:2000@A1 Date: 09/02/22  
 Drawing No: LOA1002-100.1 Rev: E



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 Do not scale from this drawing. Site verify all dimensions prior to construction. Report all discrepancies to the drawing originator immediately. This drawing is to be read in conjunction with all relevant documents and drawings.

