QUANGANHCONS

INDUSTRIAL SOLAR PRE-SURVEY ESTIMATE · 3 MWp

QAC-SOL-EST-20261109-1A3E9D63 | QAC Solar 8.21.0 | 09 Nov 2026

> PRELIMINARY - Indicative selling prices before site survey; not a firm EPC bid. Grid/PCC, roof condition and any new MV scope must be verified.

DESCRIPTION / SPECIFICATION	UNIT	QTY	UNIT PRICE (VND)	AMOUNT (VND)
I. PV modules and inverters				
1. PV modules640 Wp · 2382x1134x30mm	module	4688	4,084,621	19,148,703,248
2. Grid-connected string inverter125 kW AC · 400 V · 3 phase · 12 MPPT	set	21	197,408,016	4,145,568,336
3. Sungrow Logger1000A/B data logger — provisional selectionSungrow · Data acquisition and monitoring. Export control is subject to the confirmed system configuration.	set	1	21,510,349	21,510,349
4. RS485 shielded twisted-pair cable, 2 × 0.75 mm²	m	450	35,817	16,117,650
5. Communication patch cables	pc	2	95,239	190,478
139. Bidirectional power meter/transducer at PoCBidirectional power measurement for control at the connection point.	pc	1	7,151,943	7,151,943
140. PoC CT/VT metering scope — voltage and wiring pendingMetering scope; CT/VT configuration subject to the confirmed scheme.	lot	1	14,322,060	14,322,060
141. Export-control integration and response/fail-safe testingExport limitation integration and interlock testing under the confirmed design.	lot	1	8,512,306	8,512,306

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DESCRIPTION / SPECIFICATION	UNIT	QTY	UNIT PRICE (VND)	AMOUNT (VND)
142. Network, auxiliary supply and monitoring enclosure scopeAdditional monitoring infrastructure; configuration subject to site confirmation.	lot	1	4,765,943	4,765,943
II. Mounting and roof attachments				
6. Roof attachments / mounting feet	set	9898	30,562	302,502,676
7. Aluminium mounting railsChiko	bar	2606	429,542	1,119,386,452
8. Rail joiner kits	set	2084	23,917	49,843,028
9. Mid-clamp kitsChiko	set	8854	14,451	127,949,154
10. End-clamp kitsChiko	set	1044	14,305	14,934,420
11. Module bonding clipsChiko	set	8854	14,451	127,949,154
12. Rail earthing terminalsChiko	set	522	29,804	15,557,688
14. DC cable clipsChiko	set	9376	2,984	27,977,984
III. DC electrical system				
17. Black DC PV cable 6 mm²Leader DC-6-BK · Single-core PV cable; 1,500 VDC; UV resistant.	m	20880	31,610	660,016,800
18. Red DC PV cable 6 mm²Leader DC-6-RD · Single-core PV cable; 1,500 VDC; UV resistant.	m	20880	31,610	660,016,800
19. Matched DC connector pairLeader · Same-manufacturer/series connectors compatible with the equipment.	pair	522	38,957	20,335,554
20. Outdoor DC cable conduitCVL	m	4176	13,397	55,945,872
21. DC conduit fittingsCVL	set	522	8,892	4,641,624
22. UV-resistant cable ties, 200 mmKST	bag	19	66,674	1,266,806

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23. UV-resistant cable ties, 300 mmKST	bag	14	66,672	933,408
IV. AC switchboards and protection				
26. Solar switchboard enclosure — IP, Form and dimensions pendingEnclosure; circuit breakers and busbars are itemised separately.	pc	5	24,832,557	124,162,785
27. Fabricated copper busbar assembly with supports and N/PE accessoriesCopper busbars, fabrication, supports and N/PE accessories.	assembly	5	11,010,976	55,054,880
28. Phase indication protection set	set of 3	5	133,345	666,725
29. Phase indication lamps	pc	15	50,005	750,075
30. AC board multifunction meter including energy measurementSelec · Operational metering at the AC board; does not replace control metering at the connection point.	pc	5	3,898,712	19,493,560
32. Metering current transformersOmega CT-1000/5A class 0.5S	pc	15	1,392,648	20,889,720
33. Auxiliary circuit protection — rating pendingOmega	pc	5	1,000,649	5,003,245
34. Switchboard temperature sensor	pc	5	555,756	2,778,780
35. Switchboard ventilation fans	pc	10	1,335,643	13,356,430
36. AC surge protection — coordination and ratings pendingHimel	set	5	3,898,712	19,493,560

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37. Main AC circuit breakerMitsubishi NF1000-SEW 3P 1000A · Icu/Ics ratings must suit the prospective fault current at the installation point.	pc	5	66,731,471	333,657,355
38. Individual inverter AC circuit breakerMitsubishi NF250-CV 3P 250A · Icu/Ics ratings must suit the prospective fault current at the installation point.	pc	21	4,201,528	88,232,088
V. AC cables and terminations				
39. Inverter AC phase cable 150 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	1575	819,419	1,290,584,925
40. Main AC cable, parallel runs per design 240 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	2100	1,507,975	3,166,747,500
41. Main protective conductor 120 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	525	635,169	333,463,725
43. Main cable copper lugs — hole size pendingCU-LUG-240	pc	120	133,556	16,026,720
44. Lug connection bolts — terminal size pendingCadivi	set	120	22,228	2,667,360
45. Inverter phase conductor lugsCU-LUG-150	pc	126	83,425	10,511,550
46. Inverter PE conductor lugsCU-LUG-95	pc	42	52,790	2,217,180
47. Main phase lug insulation, redCadivi BOOT-240	pc	30	13,334	400,020
48. Main phase lug insulation, blueCadivi BOOT-240	pc	30	13,334	400,020
49. Main phase lug insulation, yellowCadivi BOOT-240	pc	30	13,334	400,020

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50. Main neutral lug insulationCadivi BOOT-240	pc	30	13,334	400,020
51. Inverter phase lug insulation, redCadivi BOOT-150	pc	42	8,334	350,028
52. Inverter phase lug insulation, blueCadivi BOOT-150	pc	42	8,334	350,028
53. Inverter phase lug insulation, yellowCadivi BOOT-150	pc	42	8,334	350,028
54. PE lug insulationCadivi BOOT-95	pc	42	6,667	280,014
55. Inverter protective conductor 95 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	525	484,973	254,610,825
56. AC cable conduit — diameter and fill pendingCVL	m	168	50,044	8,407,392
57. AC conduit fittings — diameter pendingCVL	set	42	20,002	840,084
60. String labels and DC/AC warning labels	pc	732	5,002	3,661,464
61. DC/AC cable glands	pc	255	50,067	12,767,085
63. Main PE lug and insulation kitMAIN-PE-LUG-BOOT-120	pc	30	73,350	2,200,500
133. Inverter neutral conductor 150 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	525	760,691	399,362,775
134. Inverter neutral conductor lugsCU-LUG-150	pc	42	83,364	3,501,288
135. Inverter neutral lug insulationBOOT-N-150	pc	42	8,334	350,028
VI. Cable trays and access				
64. DC cable tray, reference 100 × 50 mm	m	612	219,335	134,233,020
65. DC cable tray, reference 200 × 75 mm	m	255	436,986	111,431,430

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66. DC cable tray, reference 400 × 75 mm	m	153	790,269	120,911,157
67. AC cable containment — dimensions pending cable layout	m	700	849,115	594,380,500
78. Self-drilling screws and fasteners for trays and walkways	pc	4320	1,788	7,724,160
79. Access walkway	m	720	572,839	412,444,080
81. Cable tray supports, threaded rods and purlin clamps	set	884	146,098	129,150,632
84. Walkway supports	set	481	102,075	49,098,075
85. Walkway splice connectors and joining accessories	set	299	77,703	23,233,197
144. Outstanding cable tray fitting scheduleAccessories for actual routes; detailed schedule to be confirmed.	lot	1	108,030,614	108,030,614
VII. Earthing and bonding				
143. Outstanding earthing and bonding scopeProvisional scope; earthing quantities and design require site verification.	lot	1	28,936,394	28,936,394
X. Construction and site management				
111. Mechanical installation labor	person-hour	7483	115,271	862,572,893
112. Electrical installation labor	person-hour	2229	122,107	272,176,503
113. Lifting equipment allowance — lift plan pending	shift	24	7,644,167	183,460,008
114. Transport allowance — payload and access pending	trip	7	6,279,201	43,954,407
136. Site technical supervisionQuangAnhcons	engineer-day	61	1,514,657	92,394,077

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137. Work-at-height safety supervisionQuangAnhcons	person-day	61	1,069,854	65,261,094
138. Mobilization, site facilities and demobilizationQuangAnhcons	lot	1	13,958,244	13,958,244

TOTAL BEFORE VAT	36,003,840,000
VAT assumption 10%	3,600,384,000
TOTAL WITH VAT	**39,604,224,000 VND**

Totals sum the displayed source line amounts. Unit prices may be rounded for display. No cost, discount or margin data. This document is not an approved vendor quotation or statutory VAT determination.

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