QUANGANHCONS

INDUSTRIAL SOLAR PRE-SURVEY ESTIMATE · 10 MWp

QAC-SOL-EST-20261109-5A560DF4 | 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	15625	4,295,758	67,121,218,750
2. Grid-connected string inverter125 kW AC · 400 V · 3 phase · 12 MPPT	set	67	200,079,172	13,405,304,524
3. Sungrow Logger1000A/B data logger — provisional selectionSungrow · Data acquisition and monitoring. Export control is subject to the confirmed system configuration.	set	3	21,511,600	64,534,800
4. RS485 shielded twisted-pair cable, 2 × 0.75 mm²	m	1370	35,820	49,073,400
5. Communication patch cables	pc	4	95,240	380,960
139. Bidirectional power meter/transducer at PoCBidirectional power measurement for control at the connection point.	pc	1	7,145,932	7,145,932
140. PoC CT/VT metering scope — voltage and wiring pendingMetering scope; CT/VT configuration subject to the confirmed scheme.	lot	1	14,298,014	14,298,014
141. Export-control integration and response/fail-safe testingExport limitation integration and interlock testing under the confirmed design.	lot	1	16,743,052	16,743,052

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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	8,337,518	8,337,518
II. Mounting and roof attachments				
6. Roof attachments / mounting feet	set	32990	30,679	1,012,100,210
7. Aluminium mounting railsChiko	bar	8682	434,899	3,775,793,118
8. Rail joiner kits	set	6944	23,933	166,190,752
9. Mid-clamp kitsChiko	set	29512	14,475	427,186,200
10. End-clamp kitsChiko	set	3476	14,308	49,734,608
11. Module bonding clipsChiko	set	29512	14,475	427,186,200
12. Rail earthing terminalsChiko	set	1738	29,810	51,809,780
14. DC cable clipsChiko	set	31250	2,985	93,281,250
III. DC electrical system				
17. Black DC PV cable 6 mm²Leader DC-6-BK · Single-core PV cable; 1,500 VDC; UV resistant.	m	69520	31,844	2,213,794,880
18. Red DC PV cable 6 mm²Leader DC-6-RD · Single-core PV cable; 1,500 VDC; UV resistant.	m	69520	31,844	2,213,794,880
19. Matched DC connector pairLeader · Same-manufacturer/series connectors compatible with the equipment.	pair	1738	38,966	67,722,908
20. Outdoor DC cable conduitCVL	m	13904	13,406	186,397,024
21. DC conduit fittingsCVL	set	1738	8,893	15,456,034
22. UV-resistant cable ties, 200 mmKST	bag	63	66,675	4,200,525

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23. UV-resistant cable ties, 300 mmKST	bag	45	66,673	3,000,285
IV. AC switchboards and protection				
26. Solar switchboard enclosure — IP, Form and dimensions pendingEnclosure; circuit breakers and busbars are itemised separately.	pc	14	24,825,279	347,553,906
27. Fabricated copper busbar assembly with supports and N/PE accessoriesCopper busbars, fabrication, supports and N/PE accessories.	assembly	14	11,009,520	154,133,280
28. Phase indication protection set	set of 3	14	133,345	1,866,830
29. Phase indication lamps	pc	42	50,005	2,100,210
30. AC board multifunction meter including energy measurementSelec · Operational metering at the AC board; does not replace control metering at the connection point.	pc	14	3,898,528	54,579,392
32. Metering current transformersOmega CT-1000/5A class 0.5S	pc	42	1,392,577	58,488,234
33. Auxiliary circuit protection — rating pendingOmega	pc	14	1,000,637	14,008,918
34. Switchboard temperature sensor	pc	14	555,753	7,780,542
35. Switchboard ventilation fans	pc	28	1,335,599	37,396,772
36. AC surge protection — coordination and ratings pendingHimel	set	14	3,898,528	54,579,392

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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	14	66,681,482	933,540,748
38. Individual inverter AC circuit breakerMitsubishi NF250-CV 3P 250A · Icu/Ics ratings must suit the prospective fault current at the installation point.	pc	67	4,207,088	281,874,896
V. AC cables and terminations				
39. Inverter AC phase cable 150 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	5025	832,892	4,185,282,300
40. Main AC cable, parallel runs per design 240 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	5880	1,511,688	8,888,725,440
41. Main protective conductor 120 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	1470	635,414	934,058,580
43. Main cable copper lugs — hole size pendingCU-LUG-240	pc	336	133,559	44,875,824
44. Lug connection bolts — terminal size pendingCadivi	set	336	22,228	7,468,608
45. Inverter phase conductor lugsCU-LUG-150	pc	402	83,439	33,542,478
46. Inverter PE conductor lugsCU-LUG-95	pc	134	52,792	7,074,128
47. Main phase lug insulation, redCadivi BOOT-240	pc	84	13,334	1,120,056
48. Main phase lug insulation, blueCadivi BOOT-240	pc	84	13,334	1,120,056
49. Main phase lug insulation, yellowCadivi BOOT-240	pc	84	13,334	1,120,056

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50. Main neutral lug insulationCadivi BOOT-240	pc	84	13,334	1,120,056
51. Inverter phase lug insulation, redCadivi BOOT-150	pc	134	8,334	1,116,756
52. Inverter phase lug insulation, blueCadivi BOOT-150	pc	134	8,334	1,116,756
53. Inverter phase lug insulation, yellowCadivi BOOT-150	pc	134	8,334	1,116,756
54. PE lug insulationCadivi BOOT-95	pc	134	6,667	893,378
55. Inverter protective conductor 95 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	1675	486,850	815,473,750
56. AC cable conduit — diameter and fill pendingCVL	m	536	50,051	26,827,336
57. AC conduit fittings — diameter pendingCVL	set	134	20,002	2,680,268
60. String labels and DC/AC warning labels	pc	2408	5,002	12,044,816
61. DC/AC cable glands	pc	755	50,071	37,803,605
63. Main PE lug and insulation kitMAIN-PE-LUG-BOOT-120	pc	84	73,351	6,161,484
133. Inverter neutral conductor 150 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	1675	765,183	1,281,681,525
134. Inverter neutral conductor lugsCU-LUG-150	pc	134	83,369	11,171,446
135. Inverter neutral lug insulationBOOT-N-150	pc	134	8,334	1,116,756
VI. Cable trays and access				
64. DC cable tray, reference 100 × 50 mm	m	2040	220,230	449,269,200
65. DC cable tray, reference 200 × 75 mm	m	850	438,478	372,706,300

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66. DC cable tray, reference 400 × 75 mm	m	510	793,188	404,525,880
67. AC cable containment — dimensions pending cable layout	m	2165	856,071	1,853,393,715
78. Self-drilling screws and fasteners for trays and walkways	pc	14400	1,789	25,761,600
79. Access walkway	m	2400	579,421	1,390,610,400
81. Cable tray supports, threaded rods and purlin clamps	set	2863	146,565	419,615,595
84. Walkway supports	set	1601	102,231	163,671,831
85. Walkway splice connectors and joining accessories	set	999	77,761	77,683,239
144. Outstanding cable tray fitting scheduleAccessories for actual routes; detailed schedule to be confirmed.	lot	1	352,044,318	352,044,318
VII. Earthing and bonding				
143. Outstanding earthing and bonding scopeProvisional scope; earthing quantities and design require site verification.	lot	1	88,840,629	88,840,629
X. Construction and site management				
111. Mechanical installation labor	person-hour	24845	115,332	2,865,423,540
112. Electrical installation labor	person-hour	7268	122,069	887,197,492
113. Lifting equipment allowance — lift plan pending	shift	79	7,643,895	603,867,705
114. Transport allowance — payload and access pending	trip	23	6,279,093	144,419,139
136. Site technical supervisionQuangAnhcons	engineer-day	91	1,506,630	137,103,330

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137. Work-at-height safety supervisionQuangAnhcons	person-day	91	1,065,827	96,990,257
138. Mobilization, site facilities and demobilizationQuangAnhcons	lot	1	19,574,892	19,574,892

TOTAL BEFORE VAT	120,000,000,000
VAT assumption 10%	12,000,000,000
TOTAL WITH VAT	**132,000,000,000 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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