QUANGANHCONS

INDUSTRIAL SOLAR PRE-SURVEY ESTIMATE · 2 MWp

QAC-SOL-EST-20261109-EE86C99C | 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	3125	4,143,677	12,948,990,625
2. Grid-connected string inverter125 kW AC · 400 V · 3 phase · 12 MPPT	set	14	198,610,675	2,780,549,450
3. Sungrow Logger1000A/B data logger — provisional selectionSungrow · Data acquisition and monitoring. Export control is subject to the confirmed system configuration.	set	1	21,555,643	21,555,643
4. RS485 shielded twisted-pair cable, 2 × 0.75 mm²	m	310	35,824	11,105,440
5. Communication patch cables	pc	2	95,240	190,480
139. Bidirectional power meter/transducer at PoCBidirectional power measurement for control at the connection point.	pc	1	7,156,976	7,156,976
140. PoC CT/VT metering scope — voltage and wiring pendingMetering scope; CT/VT configuration subject to the confirmed scheme.	lot	1	14,342,190	14,342,190
141. Export-control integration and response/fail-safe testingExport limitation integration and interlock testing under the confirmed design.	lot	1	7,282,783	7,282,783

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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	4,768,180	4,768,180
II. Mounting and roof attachments				
6. Roof attachments / mounting feet	set	6598	30,587	201,813,026
7. Aluminium mounting railsChiko	bar	1736	430,706	747,705,616
8. Rail joiner kits	set	1388	23,921	33,202,348
9. Mid-clamp kitsChiko	set	5902	14,456	85,319,312
10. End-clamp kitsChiko	set	696	14,306	9,956,976
11. Module bonding clipsChiko	set	5902	14,456	85,319,312
12. Rail earthing terminalsChiko	set	348	29,805	10,372,140
14. DC cable clipsChiko	set	6250	2,984	18,650,000
III. DC electrical system				
17. Black DC PV cable 6 mm²Leader DC-6-BK · Single-core PV cable; 1,500 VDC; UV resistant.	m	13920	31,662	440,735,040
18. Red DC PV cable 6 mm²Leader DC-6-RD · Single-core PV cable; 1,500 VDC; UV resistant.	m	13920	31,662	440,735,040
19. Matched DC connector pairLeader · Same-manufacturer/series connectors compatible with the equipment.	pair	348	38,959	13,557,732
20. Outdoor DC cable conduitCVL	m	2784	13,399	37,302,816
21. DC conduit fittingsCVL	set	348	8,893	3,094,764
22. UV-resistant cable ties, 200 mmKST	bag	13	66,674	866,762

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DESCRIPTION / SPECIFICATION	UNIT	QTY	UNIT PRICE (VND)	AMOUNT (VND)
23. UV-resistant cable ties, 300 mmKST	bag	10	66,673	666,730
IV. AC switchboards and protection				
26. Solar switchboard enclosure — IP, Form and dimensions pendingEnclosure; circuit breakers and busbars are itemised separately.	pc	3	24,810,502	74,431,506
27. Fabricated copper busbar assembly with supports and N/PE accessoriesCopper busbars, fabrication, supports and N/PE accessories.	assembly	3	11,006,564	33,019,692
28. Phase indication protection set	set of 3	3	133,344	400,032
29. Phase indication lamps	pc	9	50,005	450,045
30. AC board multifunction meter including energy measurementSelec · Operational metering at the AC board; does not replace control metering at the connection point.	pc	3	3,898,154	11,694,462
32. Metering current transformersOmega CT-1000/5A class 0.5S	pc	9	1,392,434	12,531,906
33. Auxiliary circuit protection — rating pendingOmega	pc	3	1,000,614	3,001,842
34. Switchboard temperature sensor	pc	3	555,745	1,667,235
35. Switchboard ventilation fans	pc	6	1,335,512	8,013,072
36. AC surge protection — coordination and ratings pendingHimel	set	3	3,898,154	11,694,462

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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	3	66,579,977	199,739,931
38. Individual inverter AC circuit breakerMitsubishi NF250-CV 3P 250A · Icu/Ics ratings must suit the prospective fault current at the installation point.	pc	14	4,203,787	58,853,018
V. AC cables and terminations				
39. Inverter AC phase cable 150 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	1050	825,980	867,279,000
40. Main AC cable, parallel runs per design 240 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	1260	1,497,646	1,887,033,960
41. Main protective conductor 120 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	315	634,485	199,862,775
43. Main cable copper lugs — hole size pendingCU-LUG-240	pc	72	133,549	9,615,528
44. Lug connection bolts — terminal size pendingCadivi	set	72	22,228	1,600,416
45. Inverter phase conductor lugsCU-LUG-150	pc	84	83,432	7,008,288
46. Inverter PE conductor lugsCU-LUG-95	pc	28	52,791	1,478,148
47. Main phase lug insulation, redCadivi BOOT-240	pc	18	13,334	240,012
48. Main phase lug insulation, blueCadivi BOOT-240	pc	18	13,334	240,012
49. Main phase lug insulation, yellowCadivi BOOT-240	pc	18	13,334	240,012

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DESCRIPTION / SPECIFICATION	UNIT	QTY	UNIT PRICE (VND)	AMOUNT (VND)
50. Main neutral lug insulationCadivi BOOT-240	pc	18	13,334	240,012
51. Inverter phase lug insulation, redCadivi BOOT-150	pc	28	8,334	233,352
52. Inverter phase lug insulation, blueCadivi BOOT-150	pc	28	8,334	233,352
53. Inverter phase lug insulation, yellowCadivi BOOT-150	pc	28	8,334	233,352
54. PE lug insulationCadivi BOOT-95	pc	28	6,667	186,676
55. Inverter protective conductor 95 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	350	485,887	170,060,450
56. AC cable conduit — diameter and fill pendingCVL	m	112	50,047	5,605,264
57. AC conduit fittings — diameter pendingCVL	set	28	20,002	560,056
60. String labels and DC/AC warning labels	pc	488	5,002	2,440,976
61. DC/AC cable glands	pc	160	50,067	8,010,720
63. Main PE lug and insulation kitMAIN-PE-LUG-BOOT-120	pc	18	73,350	1,320,300
133. Inverter neutral conductor 150 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	350	762,879	267,007,650
134. Inverter neutral conductor lugsCU-LUG-150	pc	28	83,366	2,334,248
135. Inverter neutral lug insulationBOOT-N-150	pc	28	8,334	233,352
VI. Cable trays and access				
64. DC cable tray, reference 100 × 50 mm	m	408	219,546	89,574,768
65. DC cable tray, reference 200 × 75 mm	m	170	437,339	74,347,630

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66. DC cable tray, reference 400 × 75 mm	m	102	790,959	80,677,818
67. AC cable containment — dimensions pending cable layout	m	455	850,309	386,890,595
78. Self-drilling screws and fasteners for trays and walkways	pc	2880	1,788	5,149,440
79. Access walkway	m	480	574,394	275,709,120
81. Cable tray supports, threaded rods and purlin clamps	set	584	146,204	85,383,136
84. Walkway supports	set	321	102,113	32,778,273
85. Walkway splice connectors and joining accessories	set	199	77,716	15,465,484
144. Outstanding cable tray fitting scheduleAccessories for actual routes; detailed schedule to be confirmed.	lot	1	71,404,339	71,404,339
VII. Earthing and bonding				
143. Outstanding earthing and bonding scopeProvisional scope; earthing quantities and design require site verification.	lot	1	20,214,372	20,214,372
X. Construction and site management				
111. Mechanical installation labor	person-hour	4991	116,490	581,401,590
112. Electrical installation labor	person-hour	1472	122,523	180,353,856
113. Lifting equipment allowance — lift plan pending	shift	16	7,663,573	122,617,168
114. Transport allowance — payload and access pending	trip	5	6,285,498	31,427,490
136. Site technical supervisionQuangAnhcons	engineer-day	61	1,524,945	93,021,645

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137. Work-at-height safety supervisionQuangAnhcons	person-day	61	1,075,016	65,575,976
138. Mobilization, site facilities and demobilizationQuangAnhcons	lot	1	13,972,805	13,972,805

TOTAL BEFORE VAT	24,000,000,000
VAT assumption 10%	2,400,000,000
TOTAL WITH VAT	**26,400,000,000 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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