QUANGANHCONS

INDUSTRIAL SOLAR PRE-SURVEY ESTIMATE · 300 kWp

QAC-SOL-EST-20261109-903BFC76 | 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	469	4,042,934	1,896,136,046
2. Grid-connected string inverter125 kW AC · 400 V · 3 phase · 12 MPPT	set	2	194,993,735	389,987,470
3. Sungrow Logger1000A/B data logger — provisional selectionSungrow · Data acquisition and monitoring. Export control is subject to the confirmed system configuration.	set	1	22,225,356	22,225,356
4. RS485 shielded twisted-pair cable, 2 × 0.75 mm²	m	70	35,869	2,510,830
5. Communication patch cables	pc	2	95,251	190,502
139. Bidirectional power meter/transducer at PoCBidirectional power measurement for control at the connection point.	pc	1	7,231,388	7,231,388
140. PoC CT/VT metering scope — voltage and wiring pendingMetering scope; CT/VT configuration subject to the confirmed scheme.	lot	1	14,639,840	14,639,840
141. Export-control integration and response/fail-safe testingExport limitation integration and interlock testing under the confirmed design.	lot	1	5,166,966	5,166,966

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142. Network, auxiliary supply and monitoring enclosure scopeAdditional monitoring infrastructure; configuration subject to site confirmation.	lot	1	4,801,252	4,801,252
II. Mounting and roof attachments				
6. Roof attachments / mounting feet	set	994	30,506	30,322,964
7. Aluminium mounting railsChiko	bar	262	427,051	111,887,362
8. Rail joiner kits	set	208	23,909	4,973,072
9. Mid-clamp kitsChiko	set	884	14,438	12,763,192
10. End-clamp kitsChiko	set	108	14,304	1,544,832
11. Module bonding clipsChiko	set	884	14,438	12,763,192
12. Rail earthing terminalsChiko	set	54	29,802	1,609,308
14. DC cable clipsChiko	set	938	2,983	2,798,054
III. DC electrical system				
17. Black DC PV cable 6 mm²Leader DC-6-BK · Single-core PV cable; 1,500 VDC; UV resistant.	m	2160	31,547	68,141,520
18. Red DC PV cable 6 mm²Leader DC-6-RD · Single-core PV cable; 1,500 VDC; UV resistant.	m	2160	31,547	68,141,520
19. Matched DC connector pairLeader · Same-manufacturer/series connectors compatible with the equipment.	pair	54	38,954	2,103,516
20. Outdoor DC cable conduitCVL	m	432	13,394	5,786,208
21. DC conduit fittingsCVL	set	54	8,892	480,168
22. UV-resistant cable ties, 200 mmKST	bag	2	66,674	133,348

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23. UV-resistant cable ties, 300 mmKST	bag	2	66,674	133,348
IV. AC switchboards and protection				
26. Solar switchboard enclosure — IP, Form and dimensions pendingEnclosure; circuit breakers and busbars are itemised separately.	pc	1	10,005,544	10,005,544
27. Fabricated copper busbar assembly with supports and N/PE accessoriesCopper busbars, fabrication, supports and N/PE accessories.	assembly	1	6,470,103	6,470,103
28. Phase indication protection set	set of 3	1	133,375	133,375
29. Phase indication lamps	pc	3	50,018	150,054
30. AC board multifunction meter including energy measurementSelec · Operational metering at the AC board; does not replace control metering at the connection point.	pc	1	3,924,918	3,924,918
32. Metering current transformersOmega CT-400/5A class 0.5S	pc	3	557,761	1,673,283
33. Auxiliary circuit protection — rating pendingOmega	pc	1	1,002,382	1,002,382
34. Switchboard temperature sensor	pc	1	556,291	556,291
35. Switchboard ventilation fans	pc	2	1,341,804	2,683,608
36. AC surge protection — coordination and ratings pendingHimel	set	1	3,924,918	3,924,918

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37. Main AC circuit breakerMitsubishi NF400-CW 3P 400A · Icu/Ics ratings must suit the prospective fault current at the installation point.	pc	1	10,061,374	10,061,374
38. Individual inverter AC circuit breakerMitsubishi NF250-CV 3P 250A · Icu/Ics ratings must suit the prospective fault current at the installation point.	pc	2	4,236,681	8,473,362
V. AC cables and terminations				
39. Inverter AC phase cable 150 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	150	825,282	123,792,300
40. Main AC cable, parallel runs per design 95 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	280	545,978	152,873,840
41. Main protective conductor 50 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	70	248,512	17,395,840
43. Main cable copper lugs — hole size pendingCU-LUG-95	pc	16	52,830	845,280
44. Lug connection bolts — terminal size pendingCadivi	set	16	22,232	355,712
45. Inverter phase conductor lugsCU-LUG-150	pc	12	83,431	1,001,172
46. Inverter PE conductor lugsCU-LUG-95	pc	4	52,791	211,164
47. Main phase lug insulation, redCadivi BOOT-95	pc	4	6,667	26,668
48. Main phase lug insulation, blueCadivi BOOT-95	pc	4	6,667	26,668
49. Main phase lug insulation, yellowCadivi BOOT-95	pc	4	6,667	26,668

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50. Main neutral lug insulationCadivi BOOT-95	pc	4	6,667	26,668
51. Inverter phase lug insulation, redCadivi BOOT-150	pc	4	8,334	33,336
52. Inverter phase lug insulation, blueCadivi BOOT-150	pc	4	8,334	33,336
53. Inverter phase lug insulation, yellowCadivi BOOT-150	pc	4	8,334	33,336
54. PE lug insulationCadivi BOOT-95	pc	4	6,667	26,668
55. Inverter protective conductor 95 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	50	485,790	24,289,500
56. AC cable conduit — diameter and fill pendingCVL	m	16	50,047	800,752
57. AC conduit fittings — diameter pendingCVL	set	4	20,002	80,008
60. String labels and DC/AC warning labels	pc	74	5,002	370,148
61. DC/AC cable glands	pc	30	50,088	1,502,640
63. Main PE lug and insulation kitMAIN-PE-LUG-BOOT-50	pc	4	30,560	122,240
133. Inverter neutral conductor 150 mm²CADIVI · Cu/XLPE/PVC · 0.6/1 kV	m	50	762,646	38,132,300
134. Inverter neutral conductor lugsCU-LUG-150	pc	4	83,366	333,464
135. Inverter neutral lug insulationBOOT-N-150	pc	4	8,334	33,336
VI. Cable trays and access				
64. DC cable tray, reference 100 × 50 mm	m	80.40	220,517	17,729,567
65. DC cable tray, reference 200 × 75 mm	m	33.50	438,957	14,705,060

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66. DC cable tray, reference 400 × 75 mm	m	20.10	794,123	15,961,872
67. AC cable containment — dimensions pending cable layout	m	85	859,712	73,075,520
78. Self-drilling screws and fasteners for trays and walkways	pc	720	1,790	1,288,800
79. Access walkway	m	120	593,840	71,260,800
81. Cable tray supports, threaded rods and purlin clamps	set	114	146,784	16,733,376
84. Walkway supports	set	81	102,590	8,309,790
85. Walkway splice connectors and joining accessories	set	49	77,876	3,815,924
144. Outstanding cable tray fitting scheduleAccessories for actual routes; detailed schedule to be confirmed.	lot	1	13,896,133	13,896,133
VII. Earthing and bonding				
143. Outstanding earthing and bonding scopeProvisional scope; earthing quantities and design require site verification.	lot	1	5,773,575	5,773,575
X. Construction and site management				
111. Mechanical installation labor	person-hour	803	120,952	97,124,456
112. Electrical installation labor	person-hour	242	124,285	30,076,970
113. Lifting equipment allowance — lift plan pending	shift	3	7,773,684	23,321,052
114. Transport allowance — payload and access pending	trip	1	6,313,352	6,313,352
136. Site technical supervisionQuangAnhcons	engineer-day	41	1,649,614	67,634,174

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137. Work-at-height safety supervisionQuangAnhcons	person-day	41	1,137,567	46,640,247
138. Mobilization, site facilities and demobilizationQuangAnhcons	lot	1	10,355,822	10,355,822

TOTAL BEFORE VAT	3,601,920,000
VAT assumption 10%	360,192,000
TOTAL WITH VAT	**3,962,112,000 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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