


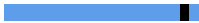

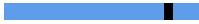


COMPANY OVERVIEW		
Market Cap. (Mil USD)	\$602,674	B+ ESG Score
Revenue (Mil USD)	\$35,819	
No. of Employees	20,000	D+ ESG Controversies Score
D&I Index Ranking	4640 / 6018	
TRBC Ind. Group	Semiconductors & Semiconductor Equipment	C+ ESG Combined Score
Countries/ Region	United States of America	
Fiscal Yr. End	2022-10-30	A- Environmental Pillar Score
ESG Reporting Scope	100%	
		B+ Social Pillar Score
		B+ Governance Pillar Score

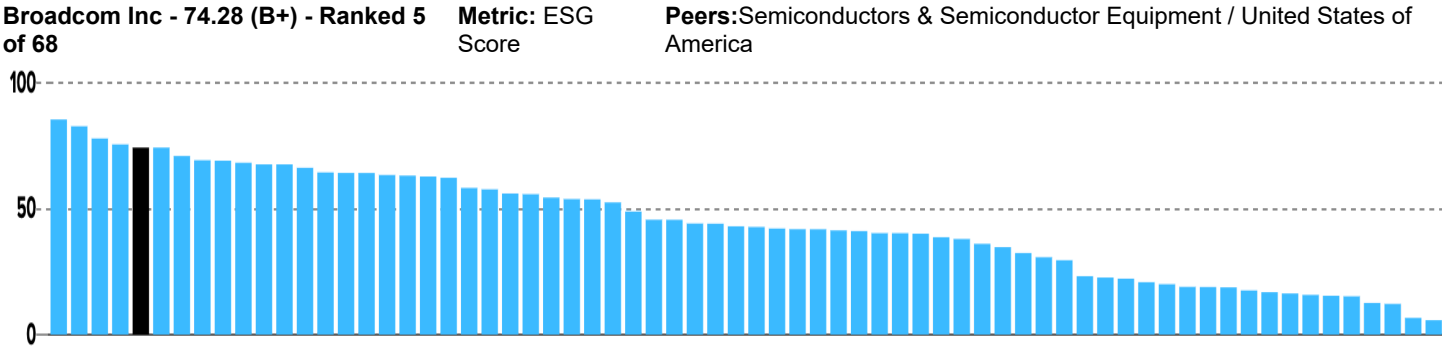
ESG SUMMARY

Broadcom Inc is a(n) Semiconductors & Semiconductor Equipment company headquartered in the United States of America. For the fiscal year ended in October 2022, AVGO.O received an ESG score of 74.28 (Grade: B+).

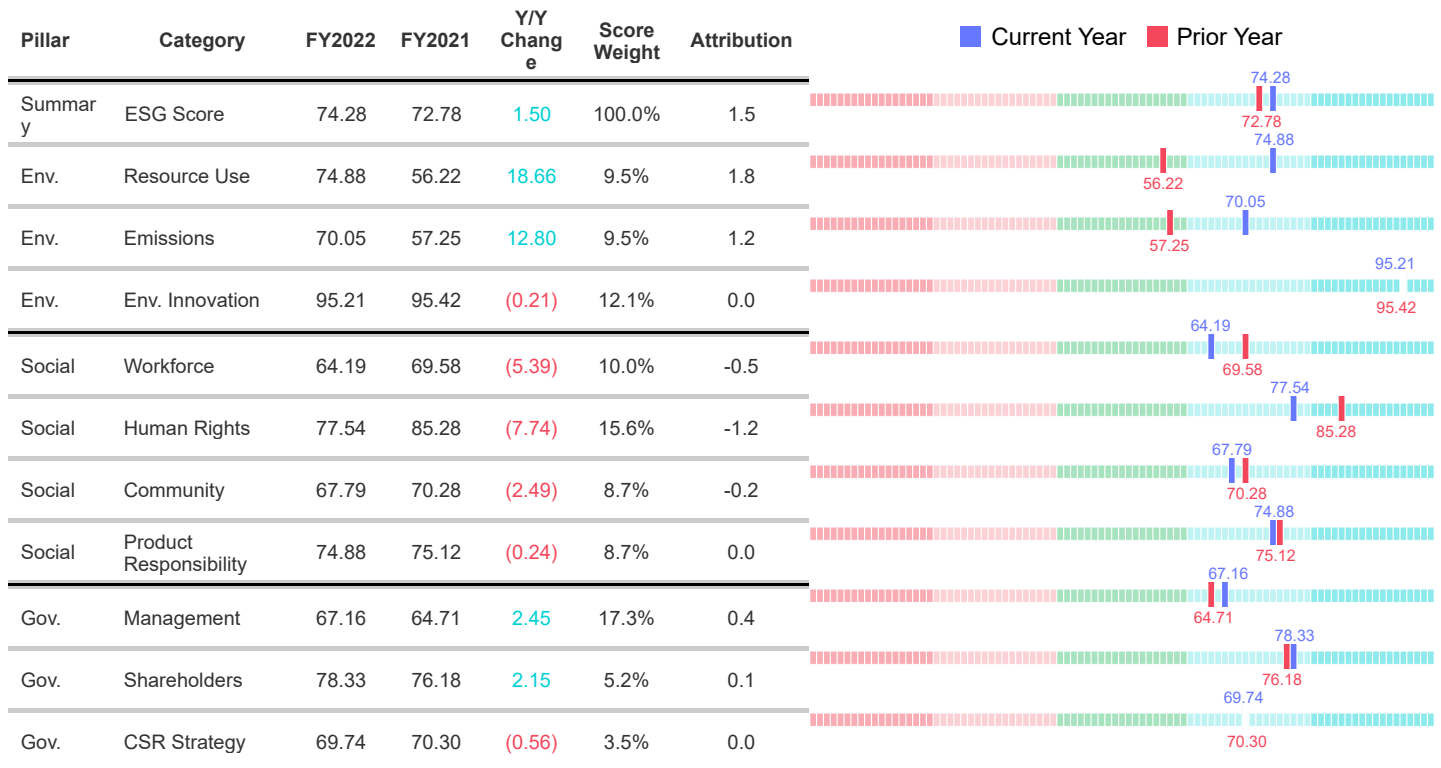
Over the last 5 years, the company has an average ESG score of 59.30, and a median ESG score of 66.63. Refinitiv ESG score is calculated as a sum of weighted individual pillar scores. For AVGO.O, Environmental, Social, and Governance pillars are weighted 31.17%, 42.86%, and 25.97% respectively in ESG score weighting, consistent with companies within the Semiconductors & Semiconductor Equipment industry groups.

AVGO.O's controversy score of 22.50 (Grade: D+) is calculated based on total count of controversies related to the company, as collected by Refinitiv ESG team and normalized based on company's market capitalization. Discounted by its controversies, AVGO.O received an ESG Combined score of 48.39 (Grade: C+) for the year.

COMPANY RELATIVE PERFORMANCE					
Company Ranking Compared to	Refinitiv ESG Universe	Refinitiv ESG Universe	Semiconductors & Semiconductor Equipment	United States of America	Semiconductors & Semiconductor Equipment / United States of America
Number of Companies	11751		222	3403	68
ESG Combined Score	4900		105	965	25
ESG Score	1047		13	207	5
Environmental Pillar Score	779		8	126	3
Social Pillar Score	2094		43	436	10
Governance Pillar Score	2625		56	704	18
ESG Controversy Score	11298		217	3139	64



YEAR-OVER-YEAR ESG PERFORMANCE - ATTRIBUTION



YEAR-OVER-YEAR ESG PERFORMANCE - MATERIAL FACTORS

Changes in company's year-over-year ESG scores are driven by two factors: Company's relative ranking against its peers, and changes in underlying data as reported by company. In the table below, "Metric Score" section identifies material changes in scores and the "Metric Value" section highlights any changes in the underlying values. Materiality is defined as any directional changes in scores greater than 8.33 (approximately one letter grade).

			Metric Score			Metric Value		
Pillar	Category	Metric Name	FY2022	FY2021	YoY Change	FY2022	FY2021	YoY Change
Env.	Resource Use	Renewable Energy Use Ratio	27.88	--	27.88	5.07%	--	5.07%
Env.	Resource Use	Total Renewable Energy To Energy Use in million	48.21	--	48.21	50,708.05	--	50,708.05
Env.	Resource Use	Green Buildings	87.61	0.00	87.61	TRUE	FALSE	Yes
Env.	Emissions	Targets Emissions	74.77	0.00	74.77	TRUE	FALSE	Yes
Env.	Emissions	CO2 Equivalent Emissions Indirect, Scope 3 To Revenues USD in million	96.84	--	96.84	0.82	--	0.82
Social	Workforce	Net Employment Creation	17.33	7.10	10.23	0.00%	-4.76%	4.76%
Social	Workforce	Injuries To Million Hours	53.67	67.00	(13.33)	0.65	0.55	0.10
Gov.	Management	Average Board Tenure	39.76	28.94	10.82	6.08 Yrs	5.11 Yrs	0.97 Yrs
Gov.	Management	Total Senior Executives Compensation To Revenues in million	88.45	79.61	8.84	2,360.83	4,394.79	(2,033.96)

PERFORMANCE DRIVER SUMMARY

AVGO.O's ESG score changed from previous year's 72.78 to 74.28, improving marginally, driven by changes in 10 of the 10 ESG categories.

Relative improvements in Resource Use, Emissions, Management categories were partially offset by relative deteriorations in Human Rights, Workforce, Community categories (See Year-Over-Year ESG Performance - Attribution section for details)

At the metrics level, changes in 104 out of 152 number of metric scores are the primary drivers for category and summary score changes.

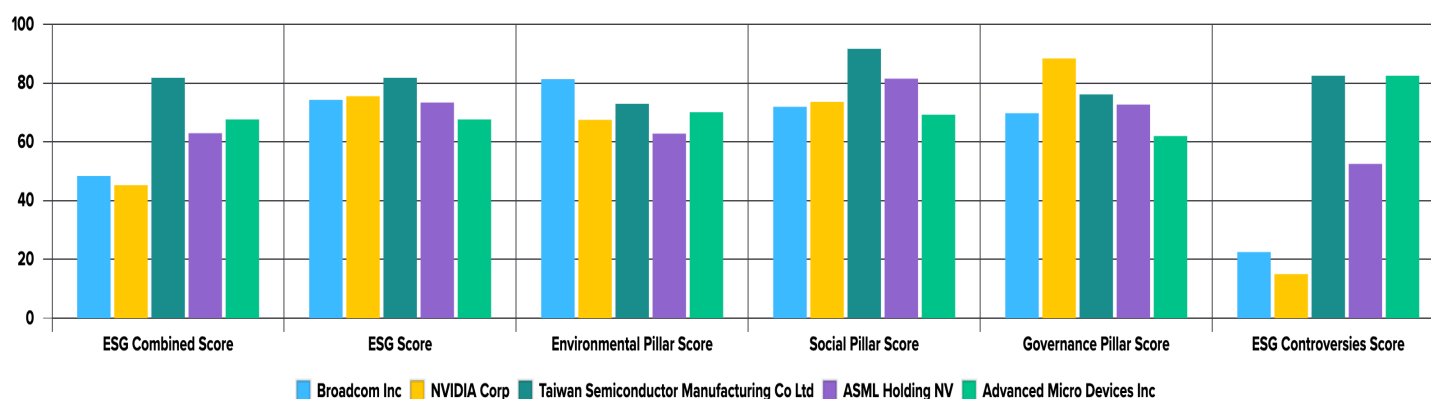
Of the 104 metrics identified, changes in relative ranking against peers drove 80 number of changes while changes in underlying reported metric values drove the rest (See Year-Over-Year ESG Performance - Material Factor section for details)

Please note changes in ESG scores are driven by two primary factors: Changes in underlying company-reported metric values and/or their relative ranking to the peer group.

PEER SUMMARY

Closest four peers by market capitalization and Semiconductors & Semiconductor Equipment

	AVGO.OQ	NVDA.OQ	2330.TW	ASML.AS	AMD.OQ
	Broadcom Inc	NVIDIA Corp	Taiwan Semiconductor Manufacturing Co Ltd	ASML Holding NV	Advanced Micro Devices Inc
Company Market Cap (Mil USD)	\$602,674	\$1,977,800	\$564,899	\$385,914	\$311,087
Total Revenue (Mil USD)	\$35,819	\$60,922	\$70,456	\$30,413	\$22,680
ESG Combined Score	48.39	45.26	81.80	62.94	67.62
ESG Score	74.28	75.53	81.80	73.38	67.62
Environmental Pillar Score	81.31	67.48	72.95	62.80	70.08
Social Pillar Score	71.93	73.59	91.66	81.50	69.24
Governance Pillar Score	69.74	88.38	76.14	72.68	61.98
ESG Controversies Score	22.50	15.00	82.50	52.50	82.50

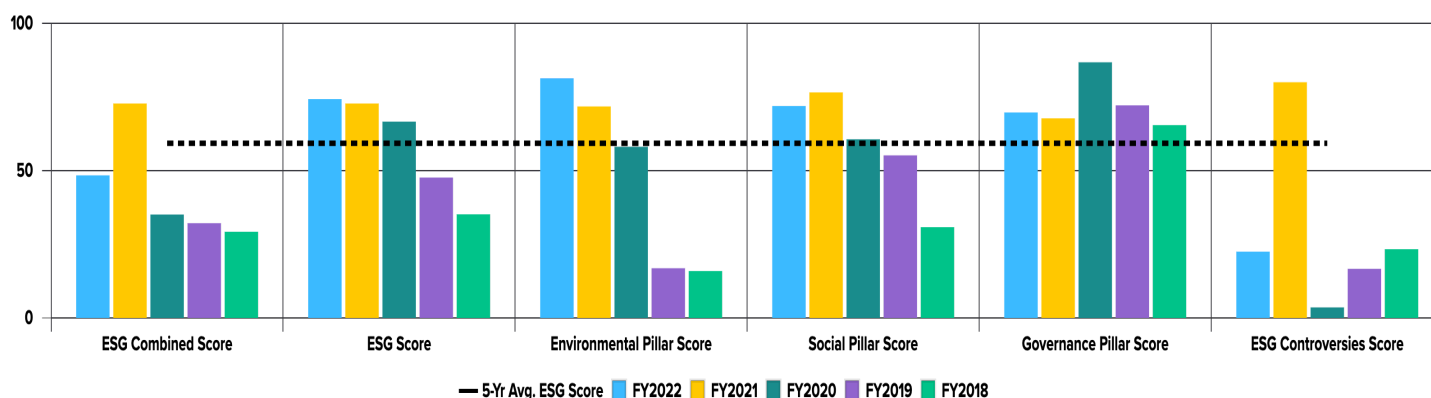


PEER DETAIL

	AVGO.OQ	NVDA.OQ	2330.TW	ASML.AS	AMD.OQ
	Broadcom Inc	NVIDIA Corp	Taiwan Semiconductor Manufacturing Co Ltd	ASML Holding NV	Advanced Micro Devices Inc
Policy Water Efficiency	TRUE	TRUE	TRUE	TRUE	TRUE
Policy Energy Efficiency	TRUE	TRUE	TRUE	TRUE	TRUE
Targets Water Efficiency	FALSE	FALSE	TRUE	FALSE	TRUE
Targets Energy Efficiency	FALSE	FALSE	TRUE	TRUE	TRUE
Total Energy Use To Revenues USD in million	59.87	56.85	1,090.45	72.07	31.73
Renewable Energy Use Ratio	5.07%	36.27%	9.77%	72.83%	31.73%
Water Use To Revenues USD in million	58.23	30.36	1,412.77	51.28	7.75
Water Recycled	--	--	89,642,200.00	--	--

HISTORIC PERFORMANCE

	FY2022	FY2021	FY2020	FY2019	FY2018
Period End Date	2022-10-30	2021-10-31	2020-11-01	2019-11-03	2018-11-04
Historic Market Cap (Mil USD)	\$200,734	\$218,844	\$141,426	\$117,649	\$91,277
Total Revenue (Mil USD)	\$33,203	\$27,450	\$23,888	\$22,597	\$20,848
ESG Combined Score	C+	B+	C	C-	C-
ESG Score	B+	B+	B	C+	C
Environmental Pillar Score	A-	B+	B-	D+	D
Social Pillar Score	B+	A-	B	B-	C-
Governance Pillar Score	B+	B+	A	B+	B
ESG Controversies Score	D+	A-	D-	D+	D+



HISTORIC PERFORMANCE SUMMARY

Over the last 5 reporting periods, AVGO.O has an average ESG score of 59.30, ranging from a high of 74.28 (FY2022) to a low of 35.17 (FY2018).

Of the three pillars that make up the overall ESG score, Governance pillar performed the best, with an 5-year average score of 72.37, followed by Social pillar (Average score: 59.02) and then Environmental pillar (Average score: 48.80).

By category and on average, Shareholders, Product Responsibility, and Management are the three best performing categories over the last 5 years while Emissions, Resource Use, and CSR Strategy are the three laggard categories during the same period.

CONTROVERSIAL BUSINESS PRACTICES

Does the company engage in any controversial business activities?

Yes

Did the company have any controversies in violation of the Ten Principles of the UN Global Compact?

No

Armaments

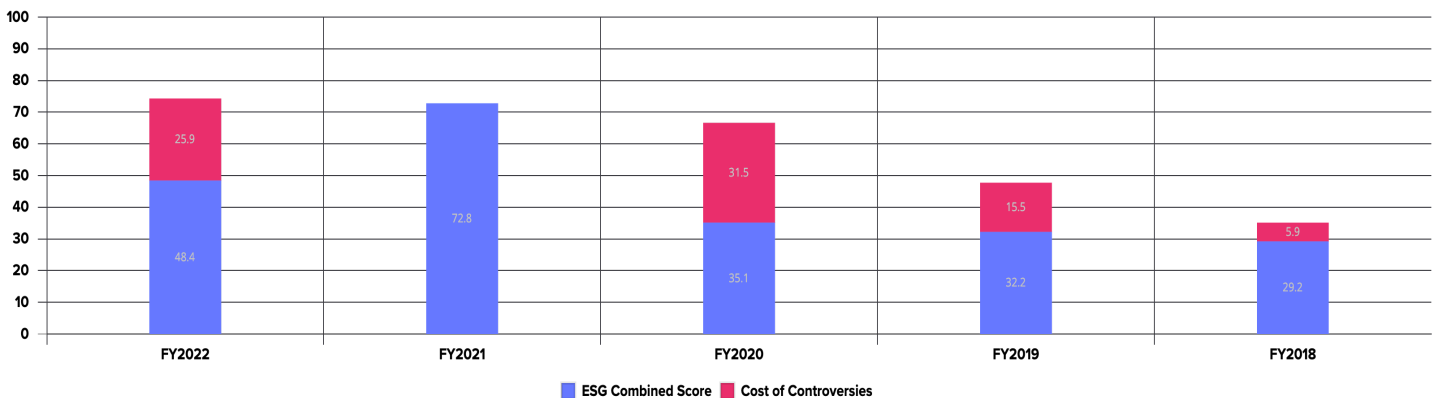
Yes

ESG CONTROVERSIES

Bad press can be costly to companies. Controversies reported in the media can bring damages to reputation, future business opportunities, and ultimately the bottom line.

ESG controversies score aims to recognize these potential damages, and account for these factors in the scoring of a company's overall ESG performance. From a scoring perspective, controversies could significantly impact a company's overall rating in a negative way.

Below is a list of controversies collected from the public domain.



ESG CONTROVERSIES DETAILS

Fiscal Period	Source Date	Category	Title	Link
FY2022	2022-07-08	Community - Controversies	Intellectual Property Controversies	Panasonic lawsuits say Broadcom violated computer tech patents - Reuters News
FY2022	2022-04-23	Community - Controversies	Anti-Competition Controversies Count	Broadcom under Antitrust scrutiny from FTC again - The Information - Reuters News
FY2022	2023-09-21	Community - Controversies	Recent Anti-Competition Controversy	Broadcom fined 19.1 bln won for unfair biz practices against Samsung - YONHAP NEWS AGENCY
FY2022	2023-05-25	Community - Controversies	Recent Intellectual Property Controversies	Biden administration urges Supreme Court not to hear Apple-Caltech patent case - Reuters
FY2022	2023-08-10	Community - Controversies	Recent Intellectual Property Controversies	Caltech reaches potential settlement in Apple, Broadcom patent case - Reuters
FY2021	2021-07-02	Community - Controversies	Anti-Competition Controversies Count	US FTC files proposed settlement with Broadcom - Reuters News
FY2020	2020-01-06	Resource Use - Controversies	Environmental Controversies Count	Innovative Foundry Technologies Files Patent Infringement Suit Against SMIC, Broadcom, Cypress Semiconductor and DISH Network - PR Newswire
FY2020	2020-01-14	Resource Use - Controversies	Environmental Controversies Count	Zscaler Announces Dismissal With Prejudice Of All Patent Lawsuits Filed By Symantec Against Co - Reuters
FY2020	2020-01-14	Community - Controversies	Intellectual Property Controversies	Zscaler Announces Dismissal With Prejudice Of All Patent Lawsuits Filed By Symantec Against Co - Reuters
FY2020	2020-01-06	Community - Controversies	Intellectual Property Controversies	Innovative Foundry Technologies Files Patent Infringement Suit Against SMIC, Broadcom, Cypress Semiconductor and DISH Network - PR Newswire

ESG METHODOLOGY

Refinitiv's ESG Scores are designed to transparently and objectively measure a company's relative ESG performance across ten themes based on company reported data. Below document provides detailed information on ESG scoring methodology.

[ESG Scores Methodology](#)

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