

TABLE S6-14

Value added of electrical equipment industry, by region, country, or economy: 2002–18

(Millions of current dollars)

Region, country, or economy	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
World	240,113	268,776	295,234	314,271	353,826	396,677	454,118	418,111	471,798	515,981	528,271	550,270	569,764	556,610	572,360	609,342	655,714
North America	50,548	51,801	49,238	51,203	60,405	59,979	65,461	58,935	59,876	57,924	62,179	67,761	63,716	72,762	66,502	67,525	71,189
Canada	2,448	2,307	2,746	3,052	3,138	3,478	3,540	3,233	3,513	4,061	3,997	3,790	3,007	3,196	2,826	2,683	2,734
Mexico	4,406	3,944	4,423	4,922	5,834	6,227	6,448	5,030	5,655	5,670	6,192	6,003	6,526	6,641	6,073	6,315	6,594
United States	43,694	45,550	42,069	43,229	51,433	50,274	55,473	50,672	50,708	48,193	51,990	57,968	54,183	62,925	57,603	58,527	61,861
Central and South America	4,157	4,194	4,932	6,953	8,202	10,735	13,397	12,616	16,204	17,986	17,191	17,797	16,181	12,756	10,649	12,155	11,354
Argentina	188	228	309	371	438	586	750	637	809	964	914	910	733	706	718	807	624
Bolivia	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4
Brazil	3,023	3,118	3,528	5,193	6,123	8,137	10,294	9,695	12,905	14,232	13,166	13,740	12,446	8,561	7,253	8,404	7,632
Chile	76	68	83	100	123	134	125	152	179	170	179	215	259	245	237	232	240
Colombia	213	182	261	351	434	599	693	596	751	816	795	829	757	660	713	760	792
Costa Rica	259	242	291	403	452	515	557	489	592	667	714	726	724	737	775	816	844
Ecuador	47	26	47	57	72	77	95	99	95	80	210	138	138	165	177	170	183
Honduras	95	97	102	110	119	128	139	146	142	173	192	175	186	184	198	212	228
Jamaica	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama	4	4	4	5	5	7	7	8	8	9	11	12	9	10	10	11	12
Peru	90	75	100	112	141	189	251	194	229	194	236	313	315	321	365	366	383
Uruguay	11	14	21	23	23	29	49	33	46	36	35	40	39	44	38	31	30
Venezuela	150	138	185	227	269	333	435	563	445	643	737	697	573	1,121	161	341	384
Europe	81,235	95,506	109,606	110,676	124,376	142,223	160,271	127,843	136,274	149,094	138,374	142,337	144,938	122,515	125,255	125,129	132,664
EU	72,638	86,799	98,791	97,417	108,003	121,686	136,366	112,142	118,689	128,119	118,039	121,268	125,510	106,504	109,341	106,960	115,333
Austria	2,168	2,571	2,792	2,778	3,119	5,362	6,718	6,349	6,172	6,062	6,420	6,036	6,081	5,295	5,743	5,422	6,087
Belgium	1,553	1,826	2,037	2,095	2,198	1,984	2,352	2,275	2,298	2,327	1,888	1,894	1,923	1,524	1,573	1,414	1,504
Bulgaria	59	91	131	171	191	276	289	250	250	278	292	338	366	343	430	501	597
Czechia	866	1,198	1,574	1,772	2,205	2,913	3,261	2,758	3,107	3,947	3,565	3,640	3,900	3,495	3,597	3,690	4,184
Denmark	800	867	1,035	926	1,026	1,234	1,595	1,137	1,191	1,315	1,154	1,087	1,206	1,281	1,360	1,296	1,403
Finland	885	1,067	1,277	1,505	1,651	2,011	2,687	2,022	2,175	2,279	2,265	2,148	2,347	2,010	1,960	1,962	2,136
France	7,100	7,979	9,154	8,565	8,293	9,776	10,351	9,130	8,600	8,835	8,319	8,592	8,409	6,607	6,752	6,177	6,388
Germany	30,261	36,134	42,258	41,032	46,226	48,847	54,937	47,258	52,642	58,359	53,146	55,415	58,339	46,764	48,891	47,954	51,443
Greece	350	497	704	666	843	962	1,046	716	685	622	504	475	429	385	380	361	410
Hungary	909	1,310	1,840	2,173	1,965	2,554	2,602	931	1,023	1,065	997	1,055	1,243	1,052	1,126	1,122	1,273
Ireland	492	397	187	310	388	424	529	423	166	365	332	397	465	422	448	1,002	1,042
Italy	9,128	11,130	13,020	13,369	14,194	16,246	17,327	14,313	14,960	15,787	14,160	14,461	13,632	12,027	12,229	11,730	12,776
Netherlands	2,287	2,761	2,901	2,558	2,948	3,585	4,042	2,892	2,650	3,169	2,829	2,861	2,769	2,437	2,690	2,550	2,696
Poland	1,224	1,572	1,622	1,887	2,236	2,718	3,814	2,948	3,193	3,488	3,448	3,478	3,899	3,698	3,569	3,378	3,991
Portugal	651	716	760	756	766	867	970	875	885	842	715	769	770	656	654	652	717

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Region, country, or economy	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Romania	241	311	405	508	660	904	993	795	1,150	1,116	1,163	1,417	1,862	1,620	1,939	2,460	3,069
Slovakia	214	317	347	462	530	659	949	578	786	853	831	975	880	901	949	993	1,115
Spain	4,164	5,289	6,152	6,025	7,422	8,408	9,489	7,657	7,154	6,466	5,643	5,745	5,941	5,397	5,527	5,474	5,762
Sweden	2,115	2,502	2,588	2,576	2,799	3,343	3,430	2,452	2,619	3,489	2,942	3,015	2,572	2,808	2,872	2,795	2,900
United Kingdom	7,170	8,263	8,008	7,282	8,342	8,614	8,984	6,382	6,983	7,456	7,426	7,469	8,476	7,781	6,651	6,028	5,840
Other Europe	8,597	8,708	10,815	13,259	16,374	20,537	23,905	15,702	17,585	20,975	20,335	21,068	19,428	16,011	15,914	18,170	17,331
Norway	561	611	734	828	945	1,103	1,226	1,046	1,154	1,259	1,274	1,401	1,350	962	892	1,124	1,188
Russia	3,470	2,765	4,091	5,283	7,384	9,557	10,751	4,780	6,349	7,851	7,790	7,162	6,344	4,277	4,757	5,255	5,126
Switzerland	2,990	3,331	3,708	3,840	4,047	4,808	5,932	5,461	5,333	6,473	5,824	6,043	6,136	5,741	5,274	5,609	5,602
Turkey	1,219	1,529	1,777	2,730	3,237	4,010	4,661	3,773	3,825	4,078	4,229	5,195	4,787	4,549	4,355	5,378	4,683
Ukraine	356	473	506	578	761	1,058	1,335	642	923	1,314	1,218	1,266	812	483	634	803	733
Middle East	2,140	2,375	2,708	3,208	3,787	4,467	5,182	5,471	5,764	5,929	5,635	5,650	5,987	5,840	6,993	7,308	7,208
Bahrain	52	56	61	82	110	142	180	143	166	192	202	214	223	187	217	228	246
Iran	682	743	868	1,044	1,152	1,414	1,442	2,229	2,123	2,006	1,600	1,129	1,356	1,133	1,332	1,516	1,112
Israel	144	180	143	141	162	197	235	206	225	235	222	166	192	195	222	221	197
Jordan	45	45	65	77	96	126	160	170	117	102	118	154	125	166	232	143	108
Kuwait	45	63	80	106	109	159	207	183	182	177	153	143	183	73	138	157	193
Qatar	2	2	*	1	1	6	5	44	23	32	39	41	43	49	46	50	56
Saudi Arabia	792	865	1,001	1,150	1,336	1,488	1,863	1,692	2,041	2,171	2,423	2,727	2,882	3,033	3,217	3,277	3,508
United Arab Emirates	376	420	491	608	820	935	1,090	805	888	1,014	877	1,076	983	1,004	1,589	1,715	1,788
Africa	1,564	1,799	2,179	2,500	2,810	3,141	3,449	3,474	3,820	3,774	4,087	4,379	4,374	3,817	3,882	4,047	4,460
Cameroon	1	1	2	2	2	2	4	4	4	5	5	5	6	5	6	7	7
Egypt	401	329	431	501	551	685	866	953	891	661	808	977	806	660	775	921	1,049
Kenya	2	2	2	3	3	10	12	12	8	6	4	5	5	4	5	5	5
Morocco	467	529	577	648	654	750	836	783	845	808	790	823	885	700	750	806	893
Nigeria	132	146	175	232	311	364	455	427	536	750	847	1,064	1,225	1,066	1,044	962	1,064
Senegal	3	4	6	7	7	6	7	8	9	10	10	9	11	6	4	5	6
South Africa	530	754	942	1,056	1,216	1,241	1,166	1,206	1,409	1,392	1,490	1,373	1,305	1,254	1,168	1,196	1,285
Tunisia	28	34	42	51	65	82	102	80	118	143	134	124	131	122	130	146	150
Zimbabwe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asia	99,178	111,323	124,500	137,534	151,930	173,567	203,707	207,483	247,158	278,091	297,704	309,558	332,256	336,956	357,094	390,844	426,477
Bangladesh	254	210	164	120	143	150	174	216	248	254	264	298	337	453	611	777	888
China	27,445	31,896	36,148	45,846	56,988	74,166	102,377	112,814	133,058	156,889	174,511	195,974	213,999	226,582	238,092	268,805	302,916
India	2,456	2,728	3,292	4,949	5,501	6,300	5,970	6,491	8,104	8,261	7,554	6,856	6,621	7,022	6,814	7,584	7,878
Indonesia	970	980	1,475	1,835	2,484	2,323	2,688	2,703	3,137	4,249	5,234	7,240	7,354	7,014	6,874	7,068	7,203
Japan	54,815	60,993	66,099	66,371	65,007	66,761	69,615	63,394	73,955	77,529	77,461	64,208	67,124	59,834	68,114	68,477	67,001

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(Millions of current dollars)

Region, country, or economy	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Malaysia	853	914	1,159	915	1,119	1,258	1,384	1,029	1,196	1,378	1,560	1,619	1,677	2,120	2,135	2,366	2,595
Pakistan	137	185	263	313	377	430	491	404	479	603	619	623	666	662	681	756	711
Philippines	466	424	478	542	526	582	632	691	778	649	524	578	602	707	670	686	763
Singapore	316	333	351	358	429	467	522	450	464	487	605	661	637	592	619	643	739
South Korea	7,687	8,688	10,705	11,671	13,619	14,710	13,636	13,269	17,620	19,376	20,137	22,359	23,696	22,708	22,928	23,314	25,057
Sri Lanka	18	21	23	31	199	118	94	82	118	128	131	154	161	154	140	157	157
Taiwan	2,633	2,718	2,817	2,990	3,441	3,741	3,521	3,129	4,229	4,322	4,715	4,712	4,782	4,703	4,754	5,004	5,186
Thailand	953	1,033	1,270	1,234	1,573	1,878	1,813	1,947	2,675	2,911	3,238	2,940	2,740	2,664	2,655	2,866	2,910
Vietnam	175	201	255	360	522	683	792	866	1,096	1,054	1,149	1,338	1,857	1,743	2,008	2,340	2,472
Oceania	1,290	1,777	2,070	2,198	2,315	2,566	2,651	2,288	2,701	3,183	3,102	2,788	2,313	1,964	1,986	2,335	2,362
Australia	1,075	1,469	1,693	1,770	1,913	2,077	2,350	2,082	2,431	2,860	2,786	2,398	1,901	1,585	1,608	1,875	1,900
New Zealand	215	309	376	428	402	488	302	206	271	322	316	390	412	379	378	459	462

EU = European Union.

* = amount < \$500,000.

Note(s):

Value added is the amount contributed by a country, firm, or other entity to the value of a good or service and excludes purchases of domestic and imported materials and inputs. Detail may not add to total because of rounding or minor discrepancies. World total does not include all countries and economies due to limitations in data availability. See Table S6-1 for a full list of countries and economies in each region.

Source(s):

IHS Markit, special tabulations (2019) of Comparative Industry Service.

Science and Engineering Indicators