

Rank	Name	Country	River	Installed Capacity (MW)	Annual electricity production (TW-hour)	Years of completion	Area flooded (km²)
1	Three Gorges Dam	People's Republic of China	Yangtze	22,500	98.5	2003/2012	632
2	Itaipu Dam	Brazil Paraguay	Paraná	14,000	98.3	1984/1991, 2003	1,350
3	Guri	Venezuela	Caroní	8,850	53.41	1978, 1986	4,250
4	Tucuruí	Brazil	Tocantins	8,370	41.43	1984	3,014
5	Grand Coulee	United States	Columbia	6,809	20	1942/1950, 1973, 1975/1980, 1984/1985	324
6	Longtan Dam	People's Republic of China	Hongshui	6,426	18.7	2007/2009	
7	Krasnoyarsk	Russia	Yenisei	6,000	20.4	1972	2,000
8	Robert-Bourassa	Canada	La Grande	5,616	26.5	1979/1981	2,835
9	Churchill Falls	Canada	Churchill	5,428	35	1971/1974	6,988
10	Bratsk	Russia	Angara	4,500	22.6	1967	5,470
11	Laxiwa Dam	People's Republic of China	Yellow	4,200	10.2	2010	
12	Xiaowan Dam	People's Republic of China	Mekong	4,200	19	2010	190
13	Sayano–Shushenskaya	Russia	Yenisei	3,840	26.8	1985/1989, 2010/2014	621
14	Ust Ilimskaya	Russia	Angara	3,840	21.7	1980	
15	Tarbela Dam	Pakistan	Indus	3,478	13	1976	250
16	Ilha Solteira Dam	Brazil	Paraná	3,444	17.9	1973	
17	Ertan Dam	People's Republic of China	Yalong	3,300	17	1999	
17	Pubugou Dam	People's Republic of China	Dadu	3,300	14.6	2009/2010	
19	Macagua	Venezuela	Caroní	3,167.5	15.2	1961, 1996	47
20	Xingó Dam	Brazil	São Francisco	3,162	18.7	1994/1997	
21	Yacyretá	Argentina Paraguay	Paraná	3,100	20.09	1994/1998, 2011	1,600
22	Nurek Dam	Tajikistan	Vakhsh	3,015	11.2	1972/1979, 1988	98
23	Bath County PSP	United States	-	3,003	3.32	1985, 2004	

24	Goupitan Dam	People's Republic of China	Wu	3,000	9.67	2009/2011	94
25	W. A. C. Bennett Dam	Canada	Peace River	2,876	13.1	1968, 2012	
26	La Grande-4	Canada	La Grande	2,779		1986	765
27	Gezhouba Dam	People's Republic of China	Yangtze	2,715	17.01	1988	
28	Manic-5 and Manic-5-PA	Canada	Manicouagan	2,656		1970/1971, 1989/1990	1,950
29	Chief Joseph Dam	United States	Columbia	2,620	12.5	1958/73/79	34
30	Volzhskaya (Volgogradskaya)	Russia	Volga	2,582.5	10.43	1961	
31	Niagara Falls (US)	United States	Niagara	2,525		1961	
32	Revelstoke Dam	Canada	Columbia	2,480		1984, 2011	115
33	Paulo Afonso IV	Brazil	São Francisco	2,462.4		1979/1983	
34	Chicoasén (Manuel M. Torres) Dam	Mexico	Grijalva	2,430		1980, 2005	
35	La Grande-3	Canada	La Grande	2,418		1984	
36	Atatürk Dam	Turkey	Euphrates	2,400	8.9	1990	
36	Jinanjiao Dam	People's Republic of China	Jinsha	2,400		2010	
36	Son La Dam	Vietnam	Black	2,400	10.25	2010/2012	
36	Bakun Dam	Malaysia	Balui	2,400		2011	
36	Liyuan Dam	People's Republic of China	Jinsha	2,400		2012	
36	Guandi Dam	People's Republic of China	Yalong	2,400		2013	
42	Zhiguliovskaya (Samarskaya)	Russia	Volga	2,335	8.8	1957	
44	Karun III Dam	Iran	Karun	2,280	4.17	2005	
44	Iron Gates-I	Romania Serbia	Danube	2,192	11.3	1970	
45	Caruachi	Venezuela	Caroní	2,160	12.95	2006	
45	John Day Dam	United States	Columbia	2,160		1949	
47	La Grande-2-A	Canada	La Grande	2,106		1992	
48	Aswan	Egypt	Nile	2,100	11	1970	

49	Itumbiara	Brazil	Paranaíba	2,082		1980	
50	Hoover Dam	United States	Colorado River	2,080	4	1936/1939, 1961	
51	Cleuson-Dixence Complex	Switzerland	-	2,069	4.51	1965, 1998	
52	Cahora Bassa	Mozambique	Zambezi	2,025		1975/1977	
53	Bureya Dam	Russia	Bureya	2,010	5.07	2009	
54	Lijiaxia Dam	People's Republic of China	Yellow	2,000		1997/2000	
54	Karun I (Shahid Abbaspour) Dam	Iran	Karun	2,000		1976, 1995, 2006	
54	Masjed Soleyman Dam	Iran	Karun	2,000	3.7	2002/2007	

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