

## Energy Weapons

<b>Laser Turrets</b>	(Beam and Pulse Lasers)	Ship Equipment / Turrets & Bays / Laser Turrets
(Launcher group): Energy Weapon Category: Ship Equipment / Turrets & Bays / Laser Turrets		
Used with (Charge group): Frequency Crystal Category: Ammunition & Charges / Frequency Crystals		
Mount Requirements: High Power Slot / Turret Hardpoint		



Small Laser Turrets		Ammo/Charge: Frequency Crystal S				Signature Resolution: 40m				Frigates		
Name	Damage Modifier	Typical ISK Cost	CPU	Pwr	Activate	Rate of Fire (s)	Track Speed	Optimal Range	Accu. falloff	Tech	Prerequisite 1	Prerequisite 2
Civilian Gatling Pulse Laser (no crystal)	0.625		4	6	1	2.0	0.5	1,000	2,000		Small Energy Turret I	Gunnery I
Gatling Pulse Laser I	1.5	2,000	4	5	1.82	2.1	0.25	4,000	500	1	Small Energy Turret I	Gunnery I
Gatling Afocal Maser I	1.575	1,000	3	5	1.73	2.1	0.25	4,200	500	1	Small Energy Turret I	Gunnery I
Gatling Modal Laser I	1.65	1,000	3	5	1.64	2.1	0.25	4,400	500	1	Small Energy Turret I	Gunnery I
Gatling Anode Particle Stream I	1.725	1,000	3	5	1.55	2.1	0.25	4,600	500	1	Small Energy Turret I	Gunnery I
Gatling Modulated Energy Beam I	1.8	1,000	3	5	1.46	2.1	0.25	4,800	500	1	Small Energy Turret I	Gunnery I
Gatling Pulse Laser II	1.8	35,690	4	6	1.82	2.1	0.25	4,800	500	2	Small Energy Turret V	Sm. Pulse Laser Spec. I
Dual Light Beam Laser I	2	9,000	12	7	3.89	3.2	0.13	8,750	3,000	1	Small Energy Turret I	Gunnery I
Dual Light Pulse Laser I	2	6,000	8	6	2.67	2.7	0.22	4,500	1,500	1	Small Energy Turret I	Gunnery I
Dual Afocal Light Maser I	2.1	3,475	10	7	3.70	3.2	0.13	9,188	3,000	1	Small Energy Turret I	Gunnery I
Dual Afocal Pulse Maser I	2.1	1,975	7	6	2.54	2.7	0.22	4,725	1,500	1	Small Energy Turret I	Gunnery I
Dual Modal Light Laser I	2.2	3,475	10	7	3.50	3.2	0.13	9,625	3,000	1	Small Energy Turret I	Gunnery I
Dual Modal Pulse Laser I	2.2	1,975	6	6	2.4	2.7	0.22	4,950	1,500	1	Small Energy Turret I	Gunnery I
Dual Anode Light Particle Stream I	2.3	3,475	11	7	3.31	3.2	0.13	10,000	3,000	1	Small Energy Turret I	Gunnery I
Dual Anode Pulse Particle Stream I	2.3	1,975	7	6	2.27	2.7	0.22	5,175	1,500	1	Small Energy Turret I	Gunnery I
Dual Modulated Light Energy Beam I	2.4	3,475	9	7	3.11	3.2	0.13	11,000	3,000	1	Small Energy Turret I	Gunnery I
Dual Modulated Pulse Energy Beam I	2.4	1,975	6	6	2.1	2.7	0.22	5,400	1,500	1	Small Energy Turret I	Gunnery I
Dual Light Beam Laser II	2.4	110,000	13	8	3.89	3.2	0.13	11,000	3,000	2	Small Energy Turret V	Sm. Beam Laser Spec. I
Dual Light Pulse Laser II	2.4	74,920	8	7	2.67	2.7	0.22	5,400	1,500	2	Small Energy Turret V	Sm. Pulse Laser Spec. I
Medium Beam Laser I	3	15,000	20	16	7.22	4.0	0.1	10,000	4,000	1	Small Energy Turret I	Gunnery I
Medium Pulse Laser I	3	12,000	16	11	4.44	3.5	0.2	5,000	2,000	1	Small Energy Turret I	Gunnery I
Medium Afocal Maser I	3.15	7,500	18	16	6.86	4.0	0.1	11,000	4,000	1	Small Energy Turret I	Gunnery I
Medium Afocal Pulse Maser I	3.15	5,984	14	11	4.22	3.5	0.2	5,250	2,000	1	Small Energy Turret I	Gunnery I
Medium Modal Laser I	3.3	7,500	17	16	6.50	4.0	0.1	11,000	4,000	1	Small Energy Turret I	Gunnery I
Medium Modal Pulse Laser I	3.3	5,984	13	11	4.00	3.5	0.2	5,500	2,000	1	Small Energy Turret I	Gunnery I
Medium Anode Particle Stream I	3.45	7,500	19	16	6.14	4.0	0.1	12,000	4,000	1	Small Energy Turret I	Gunnery I
Medium Anode Pulse Particle Stream I	3.45	5,984	15	11	3.77	3.5	0.2	5,750	2,000	1	Small Energy Turret I	Gunnery I
Medium Modulated Energy Beam I	3.6	7,500	16	16	5.78	4.0	0.1	12,000	4,000	1	Small Energy Turret I	Gunnery I
Medium Modulated Pulse Energy Beam I	3.6	5,984	12	11	3.56	3.5	0.2	6,000	2,000	1	Small Energy Turret I	Gunnery I
Medium Beam Laser II	3.6	185,000	21	18	7.22	4.0	0.1	12,000	4,000	2	Small Energy Turret V	Sm. Beam Laser Spec. I
Medium Pulse Laser II	3.6	145,544	17	12	4.44	3.5	0.2	6,000	2,000	2	Small Energy Turret V	Sm. Pulse Laser Spec. I

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Medium Laser Turrets											Ammo/Charge: Frequency Crystal M			Signature Resolution: 125m			Cruisers		
Name	Damage	Typical ISK				Rate of	Track	Optimal	Accu.	Tech	Prerequisite 1	Prerequisite 2							
	Modifier	Cost	CPU	Pwr	Activate	Fire (s)	Speed	Range	falloff										
Quad Light Beam Laser I	1.5	18,528	25	90	5.45	3.15	0.081	8,000	1,000	1	Medium Energy Turret I	Gunnery III							
Quad Afocal Light Maser I	1.575	10,000	22	90	5.18	3.15	0.081	8,400	1,000	1	Medium Energy Turret I	Gunnery III							
Quad Modal Light Laser I	1.65	10,000	21	90	4.905	3.15	0.081	8,800	1,000	1	Medium Energy Turret I	Gunnery III							
Quad Anode Light Particle Stream I	1.725	10,000	23	90	4.63	3.15	0.081	9,200	1,000	1	Medium Energy Turret I	Gunnery III							
Quad Modulated Light Energy Beam I	1.8	10,000	20	90	4.36	3.15	0.081	9,600	1,000	1	Medium Energy Turret I	Gunnery III							
Quad Light Beam Laser II	1.8	218,020	26	99	5.45	3.15	0.081	9,600	1,000	2	Medium Energy Turret V	Gunnery III							
Focused Medium Beam Laser I	2	90,000	30	150	11.67	4.80	0.042	18,000	6,000	1	Medium Energy Turret I	Gunnery III							
Focused Medium Pulse Laser I	2	60,000	28	120	8.00	4.05	0.072	9,000	3,000	1	Medium Energy Turret I	Gunnery III							
Focused Afocal Medium Maser I	2.1	44,740	27	150	11.09	4.80	0.042	18,000	6,000	1	Medium Energy Turret I	Gunnery III							
Focused Afocal Pulse Maser I	2.1	25,888	25	120	7.60	4.05	0.072	9,450	3,000	1	Medium Energy Turret I	Gunnery III							
Focused Modal Med. Laser I	2.2	44,740	25	150	10.5	4.80	0.042	19,000	6,000	1	Medium Energy Turret I	Gunnery III							
Focused Modal Pulse Laser I	2.2	25,888	23	120	7.20	4.05	0.072	9,900	3,000	1	Medium Energy Turret I	Gunnery III							
Focused Anode Medium Particle Stream I	2.3	44,740	28	150	9.92	4.80	0.042	20,000	6,000	1	Medium Energy Turret I	Gunnery III							
Focused Anode Pulse Particle Stream I	2.3	25,888	26	120	6.80	4.05	0.072	10,000	3,000	1	Medium Energy Turret I	Gunnery III							
Focused Modulated Med. Energy Beam I	2.4	44,740	24	150	9.34	4.80	0.042	21,000	6,000	1	Medium Energy Turret I	Gunnery III							
Focused Modulated Pulse Energy Beam I	2.4	25,888	22	120	6.40	4.05	0.072	11,000	3,000	1	Medium Energy Turret I	Gunnery III							
Focused Medium Beam Laser II	2.4	366,626	32	165	11.67	4.80	0.042	21,000	6,000	2	Medium Energy Turret V	Med. Beam Laser Spec. I							
Focused Medium Pulse Laser II	2.4	312,320	29	132	8	4.05	0.072	11,000	3,000	2	Medium Energy Turret V	Medium Pulse Laser Spec. I							
Heavy Beam Laser I	3	150,000	35	250	21.67	6.00	0.033	20,000	8,000	1	Medium Energy Turret I	Gunnery III							
Heavy Pulse Laser I	3	120,000	33	210	13.33	5.25	0.072	10,000	4,000	1	Medium Energy Turret I	Gunnery III							
Heavy Afocal Maser I	3.15	75,000	31	250	20.59	6.00	0.033	21,000	8,000	1	Medium Energy Turret I	Gunnery III							
Heavy Afocal Pulse Maser I	3.15	59,676	29	210	12.66	5.25	0.072	11,000	4,000	1	Medium Energy Turret I	Gunnery III							
Heavy Modal Laser I	3.3	74,980	29	250	19.5	6.00	0.033	22,000	8,000	1	Medium Energy Turret I	Gunnery III							
Heavy Modal Pulse Laser I	3.3	59,676	28	210	12.00	5.25	0.072	11,000	4,000	1	Medium Energy Turret I	Gunnery III							
Heavy Anode Particle Stream I	3.45	75,000	33	250	18.42	6.00	0.033	23,000	8,000	1	Medium Energy Turret I	Gunnery III							
Heavy Anode Pulse Particle Stream I	3.45	59,676	31	210	11.33	5.25	0.072	12,000	4,000	1	Medium Energy Turret I	Gunnery III							
Heavy Modulated Energy Beam I	3.6	74,980	28	250	17.34	6.00	0.033	24,000	8,000	1	Medium Energy Turret I	Gunnery III							
Heavy Modulated Pulse Energy Beam I	3.6	59,676	26	210	10.64	5.25	0.072	12,000	4,000	1	Medium Energy Turret I	Gunnery III							
Heavy Beam Laser II	3.6	515,000	37	275	21.67	6.00	0.033	24,000	8,000	2	Medium Energy Turret V	Medium Beam Laser Spec. I							
Heavy Pulse Laser II	3.6	449,900	35	231	13.33	5.25	0.072	12,000	4,000	2	Medium Energy Turret V	Medium Pulse Laser Spec. I							



# Energy Weapons



Large Laser Turrets												
Ammo/Charge: Frequency Crystal L			Signature Resolution: 400m				Battleships					
Name	Damage Modifier	Typical ISK Cost	CPU	Pwr	Activate	Rate of Fire (s)	Track Speed	Optimal Range	Accu. falloff	Tech	Prerequisite 1	Prerequisite 2
Dual Heavy Beam Laser I	2	600,000	45	1750	35	7.2	0.0175	35,000	12,000	1	Large Energy Turret I	Gunnery V
Dual Heavy Pulse Laser I	2	200,000	40	1500	25.00	6.08	0.03	18,000	6,000	1	Large Energy Turret I	Gunnery V
Dual Afocal Heavy Maser I	2.1	300,000	40	1750	33.25	7.2	0.0175	37,000	12,000	1	Large Energy Turret I	Gunnery V
Dual Heavy Afocal Pulse Maser I	2.1	98,972	36	1500	23.75	6.08	0.03	19,000	6,000	1	Large Energy Turret I	Gunnery V
Dual Modal Heavy Laser I	2.2	300,000	38	1750	31.5	7.2	0.0175	39,000	12,000	1	Large Energy Turret I	Gunnery V
Dual Heavy Modal Pulse Laser I	2.2	98,972	34	1500	22.50	6.08	0.03	20,000	6,000	1	Large Energy Turret I	Gunnery V
Dual Anode Heavy Particle Stream I	2.3	300,000	42	1750	29.75	7.2	0.0175	40,000	12,000	1	Large Energy Turret I	Gunnery V
Dual Heavy Anode Pulse Particle Stream I	2.3	98,972	38	1500	21.25	6.08	0.03	21,000	6,000	1	Large Energy Turret I	Gunnery V
Dual Modulated Heavy Energy Beam I	2.4	300,000	36	1750	28	7.2	0.0175	42,000	12,000	1	Large Energy Turret I	Gunnery V
Dual Heavy Modulated Pulse Energy Beam I	2.4	98,972	32	1500	20.00	6.08	0.03	22,000	6,000	1	Large Energy Turret I	Gunnery V
Dual Heavy Beam Laser II	2.4	1,000,000	47	1925	35	7.2	0.0175	42,000	12,000	2	Large Energy Turret V	Lg. Beam Laser Spec. I
Dual Heavy Pulse Laser II	2.4	620,708	42	1650	25.00	6.08	0.03	22,000	6,000	2	Large Energy Turret V	Lg. Pulse Laser Spec. I
Mega Beam Laser I	3	1,200,000	55	3250	65	9.0	0.0153	40,000	16,000	1	Large Energy Turret I	Gunnery V
Mega Pulse Laser I	3	900,000	50	2500	40.00	7.88	0.027	20,000	8,000	1	Large Energy Turret I	Gunnery V
Mega Afocal Maser I	3.15	600,000	49	3250	61.75	9.0	0.0153	42,000	16,000	1	Large Energy Turret I	Gunnery V
Mega Afocal Pulse Maser I	3.15	448,700	45	2500	38.00	7.88	0.027	21,000	8,000	1	Large Energy Turret I	Gunnery V
Mega Modal Laser I	3.3	600,000	46	3250	58.5	9.0	0.0153	44,000	16,000	1	Large Energy Turret I	Gunnery V
Mega Modal Pulse Laser I	3.3	448,700	42	2500	36.00	7.88	0.027	22,000	8,000	1	Large Energy Turret I	Gunnery V
Mega Anode Particle Stream I	3.45	600,000	52	3250	55.25	9.0	0.0153	46,000	16,000	1	Large Energy Turret I	Gunnery V
Mega Anode Pulse Particle Stream I	3.45	448,700	47	2500	34.00	7.88	0.027	23,000	8,000	1	Large Energy Turret I	Gunnery V
Mega Modulated Energy Beam I	3.6	600,000	44	3250	52	9.0	0.0153	48,000	16,000	1	Large Energy Turret I	Gunnery V
Mega Modulated Pulse Energy Beam I	3.6	448,700	40	2500	32.00	7.88	0.027	24,000	8,000	1	Large Energy Turret I	Gunnery V
Mega Beam Laser II	3.6	1,800,000	58	3575	65	9.0	0.0153	48,000	16,000	2	Large Energy Turret V	Lg. Beam Laser Spec. I
Mega Pulse Laser II	3.6	1,551,392	50	2750	40.00	7.88	0.027	24,000	8,000	2	Large Energy Turret V	Lg. Pulse Laser Spec. I
Tachyon Beam Laser I	4.5	1,500,000	60	3750	95	12.5	0.0139	44,000	20,000	1	Large Energy Turret I	Gunnery V
Tachyon Afocal Maser I	4.725	750,000	54	3750	90.25	12.5	0.0139	46,000	20,000	1	Large Energy Turret I	Gunnery V
Tachyon Modal Laser I	4.95	750,000	51	3750	85.5	12.5	0.0139	48,000	20,000	1	Large Energy Turret I	Gunnery V
Tachyon Anode Particle Stream I	5.175	750,000	57	3750	80.75	12.5	0.0139	51,000	20,000	1	Large Energy Turret I	Gunnery V
Tachyon Beam Laser II	5.4	2,275,000	63	4125	95	12.5	0.0139	53,000	20,000	2	Large Energy Turret V	Lg. Beam Laser Spec. I
Tachyon Modulated Energy Beam I	5.4	750,000	48	3750	76	12.5	0.0139	53,000	20,000	1	Large Energy Turret I	Lg. Beam Laser Spec. I

## Energy Weapons

Extra Large Laser Turrets												Ammo/Charge: Frequency Crystal XL			Signature Resolution: 1000m			Dreadnoughts, Stations			Beam	Pulse	Crystal
Name	Damage Modifier	Typical ISK Cost	CPU	Pwr	Activate	Rate of Fire (s)	Track Speed	Optimal Range	Accu. falloff	Tech	Prerequisite 1	Prerequisite 2											
Dual Giga Beam Laser I	6	48.5M	100	16k	520	13.5	0.008	80,000	32,000	1	Capital Energy Turret I	Gunnery V											
Dual Giga Pulse Laser I	6	43M	60	12.5k	320	11.81	0.0135	40,000	16,000	1	Capital Energy Turret I	Gunnery V											

Legend
Beam Laser (clear lines)
Pulse Laser (shaded lines)

  

Notes
Most Laser weapons incorrectly state, "Can fit with frequency crystals". A crystal is REQUIRED for almost all Laser Turrets. These crystals can eventually wear out.
Data Sources: in-game item descriptions; official EVE Online database, @ eve-online.com/itemdatabase; in-game experience
See also: numerous "Faction" variants for each weapon, shown in the [Variations] tab on the [Show Info] screen of each weapon