Units of energy and power

A host of differentunits are used to describeenergy and power, which can seem a bit confusing. But the followingTable 1, wherewehavelisted and described some of the mostfrequentlyusedunits, shouldclarify the meaning of the variousterms.

Energy		**Power**	
Name	**Description**	**Name**	**Description**
Joule (J)	Mainscientificunit of energy	**Watt (W)**	Mainscientificunit of power – definedas1 joule per second
Kilojoule (KJ)	Equal to 1000 10^3 joules	**Milliwatt (mW)**	Equal to 1000th of a watt 10^{-3}
Megajoule (MJ)	Equal to 1million 10^6joules	**Kilowatt (kW)**	Equal to 1000 10^3 watts
Gigajoule (GJ)	Equal to 1billion 10^9joules	**Megawatt (MW)**	Equal to 1million 10^6watts
Exajoule (EJ)	Equal to 1quintillion 10^{18} joules	**Gigawatt (GW)**	Equal to 1billion 10^9watts
Kilowatt-hour (kWh)	The amount of energyproduced by a power of 1 Kilowatt (1 kW) in one hour	**Terawatt (TW)**	Equal to1 trillion 10^{12}watts
Megawatt-hour (MWh)	The amount of energyproduced by a power of 1 Megawatt (1 MW) in one hour		
Gigawatt-hour (GWh)	The amount of energyproduced by a power of 1 Gigawatt (1 GW) in one hour		