

VARTA batteries are powered by Clarios, original from Germany in 1887, the global leader in lead acid and advanced batteries for conventional, Start-Stop, hybrid and electric vehicles, and the first company to produce Lithium-ion batteries for mass-production hybrid vehicles. Today, millions of people around the world rely on our innovative products.

Clarios is the biggest battery manufacturer in the world, they produced more than 154 million sets lead acid batteries in 2018, It got 36% market shares in the world with US \$ 8 billion sales amount.



VARTA is the truly totally-enclosed and maintenance free battery, acid-proofing and anti-explosion, superior performance and more reliable. With the new Power Frame technology and further improve the starting performance and working life.



+66%: Stands for the durability and anti-corrosion for the Power Frame grid is 66% higher than other grids.

+70%: Stands for the excellent start performance for the Power Frame grid, the current is 70% higher than other grids.

-20%: Stands for the energy conservation for the Power Frame grid, it will be decreased about 20% discharge for the greenhouse gases.

The battery main index:

C20: It is the index for the battery capacity and stands for the electric power ability.

CCA: It is the index for the battery power for starting up and stands for the battery starting performance.

VARTA regular models:

Model	Capacity C20/Ah	Current (CCA)	G.W (kg)	Overall dimensions(L*W*H) (mm)		
				Length	Width	Overall height
6-QW-36(310)	36	310	10.0	196.5	127.9	222.6
6-QW-45(380)	45	380	12.3	237.0	128.0	222.0
6-QW-60(580)	60	580	15.4	241.2	174.4	188.3
6-QW-80(600)	80	600	21.6	304.8	172.0	221.0
6-QW-100(680)	100	680	26.5	406.0	172.0	231.6
6-QW-120(850)	120	850	29.8	406.0	172.0	230.8
6-QW-150(800)	150	800	41.0	510.0	216.0	217.5
6-QW-200(1000)	200	1000	52.8	516.0	265.0	239.5



OPTIMA BATTERIES:

The OPTIMA brand battery is the best acid battery and stands for the most advanced technology in the world, it has the perfect performance under any extreme environments with its patented screw winding technology.

The OPTIMA battery has the remarkable large current discharge performance with the unique screw winding technology, it can start all the generators from 500KVA to 2MVA easily.

The OPTIMA battery can still perform well under -40°C temperature, which is the essential power source for projects in frigid region. Especially in some significant fields, such as in big engineering projects, military operation, alarming equipment and the building standby power, OPTIMA can supply the reliable power solution for all of them.

