

## FORMULAS

$$V = RI$$

$V$  : potential difference  
 $R$  : resistance  
 $I$  : electric current intensity

$$E = P\Delta t$$

$E$  : energy consumed  
 $P$  : electrical power  
 $\Delta t$  : time difference

$$P = VI$$

$P$  : electrical power  
 $V$  : potential difference  
 $I$  : electric current intensity

$$F_g = mg$$

$F_g$  : gravitational force  
 $m$  : mass  
 $g$  : intensity of the gravitational field

$$v = \frac{d}{\Delta t}$$

$v$  : speed  
 $d$  : distance  
 $\Delta t$  : time difference

$$\text{Energy efficiency (\%)} = \frac{\text{Amount of useful energy}}{\text{Amount of energy consumed}} \times 100$$

## QUANTITIES

NAME	SYMBOL	VALUE
Intensity of the gravitational field on Earth	g	9.8 N/kg
Kilowatt hour	kW•h	1 kW•h = 3 600 000 J