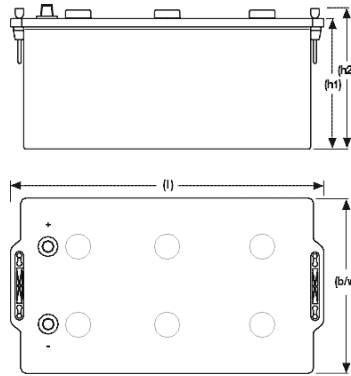


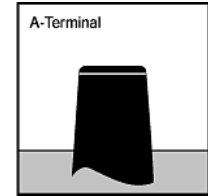
# Sonnenschein A412/180 A data sheet



Drawing:



Terminal:



Meets: UL94 HB

## Specifications:

Type	Part number	Nom. Voltage	C10 1.80 VpC 20°C Ah IEC896/2	Short circuit acc. IEC896/2	Length mm	Width mm	Height mm	Height top of terminals cover mm	Height over terminals mm	Weight Kg.	Internal resistance acc. IEC896/2 mOhm	Max. Load approx. A	Max. perm current 5 secs. A	Terminal
A412/180 A	NGA4120180HS0CA	12	180	3227	518	274	216	216	238	69.5	3.8	770	2600	A-Terminal

Part numbers not valid for North America, use type for ordering!

## Constant-current discharge in A (@20°C):

Part number	Type	Volt	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h
NGA4120180HS0CA	A412/180A	1.85	240.0	193.0	170.0	156.0	130.0	103.0	84.0	59.0	42.6	34.1	28.6	19.2	16.5
NGA4120180HS0CA	A412/180A	1.80	291.0	235.0	195.0	171.0	144.0	112.0	90.0	62.0	44.7	35.5	29.7	19.9	18.0
NGA4120180HS0CA	A412/180A	1.75	329.0	266.0	216.0	185.0	152.0	117.0	94.0	63.0	45.6	36.1	30.2	20.2	18.0
NGA4120180HS0CA	A412/180A	1.70	366.0	287.0	234.0	199.0	156.0	120.0	95.0	64.0	46.0	36.4	30.4	20.2	18.0
NGA4120180HS0CA	A412/180A	1.65	399.0	305.0	250.0	212.0	159.0	122.0	96.0	64.0	46.0	36.4	30.4	20.2	18.0
NGA4120180HS0CA	A412/180A	1.60	439.0	322.0	258.0	217.0	162.0	123.0	96.0	64.0	46.1	36.4	30.4	20.2	18.0

## Constant-power discharge in W/block (@20°C):

Part number	Type	Volt	2min	3min	5min	7min	10min	15min	20min	30min	45min	1h	2h	3h
NGA4120180HS0CA	A412/180A	1.85	3,475.0	3,324.0	3,112.0	2,959.0	2,679.0	2,284.0	2,011.0	1,563.0	1,215.0	1,016.0	632.0	467.0
NGA4120180HS0CA	A412/180A	1.80	4,109.0	3,898.0	3,559.0	3,336.0	3,012.0	2,595.0	2,241.0	1,756.0	1,339.0	1,105.0	687.0	507.0
NGA4120180HS0CA	A412/180A	1.75	4,556.0	4,307.0	3,950.0	3,659.0	3,316.0	2,821.0	2,399.0	1,876.0	1,414.0	1,157.0	695.0	515.0
NGA4120180HS0CA	A412/180A	1.70	4,990.0	4,742.0	4,298.0	3,929.0	3,477.0	2,976.0	2,503.0	1,945.0	1,455.0	1,185.0	697.0	517.0
NGA4120180HS0CA	A412/180A	1.65	5,419.0	5,099.0	4,628.0	4,163.0	3,589.0	3,074.0	2,565.0	1,978.0	1,475.0	1,198.0	700.0	518.0
NGA4120180HS0CA	A412/180A	1.60	5,825.0	5,395.0	4,832.0	4,361.0	3,701.0	3,130.0	2,599.0	1,994.0	1,484.0	1,204.0	702.0	519.0