

# Sonnenschein PowerCycle / PC12/180FT

## INDUSTRIAL BATTERIES / NETWORK POWER

PowerCycle is ideal for countries with hot climatic conditions, particularly for emerging markets where power supply instability makes battery back-up crucial. As the latest advancement of the leading dryfit® Gel technology, this new battery will enable operators to reduce ongoing expenses from battery replacements, site visits, electricity and diesel costs.

**Part Number: NGPC120180HS0MA**

### APPLICATIONS



### SPECIFICATIONS

- Durable polypropylene container
- Wide operating temperature range: -40°C to +55°C
- Long shelf life: up to 2 years at 20°C without recharge
- Designed in accordance with IEC 60896-21/-22
- Approval: UL (Underwriters Laboratories)
- Design life "> 12 Years - Very Long Life" according to EUROBAT 2015 classification
- Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR, clause A67)
- Made in Germany, ISO 9001, 14001 and OHSAS 18001 certified



Design life  
20 years



Block  
battery



Grid plate



Recyclable



Valve  
regulated  
lead-acid  
batteries



Proof  
against deep  
discharge



Maintenance  
free (no  
topping up)



1600 cycles at  
60% DoD C<sub>10</sub>

### RECYCLE WITH EXIDE.



Exide Technologies takes pride in its commitment to a better environment. An integrated approach to manufacturing, distributing and recycling of lead-acid batteries has been developed to ensure a safe and responsible life cycle for all of its products.



For more information please  
[contact your local dealer](#)

## TECHNICAL CHARACTERISTICS AND DATA

<b>Nominal voltage</b>	12 V
<b>Float charge</b>	2,27 V/C @ 20 °C
<b>Capacity</b>	CP 10min 1,6V/C 20°C 3864W/Bloc CC 10h 1,8V/C 20°C 165Ah
<b>Short circuit current</b>	2432 A (IEC60896-21/22)
<b>Internal resistance</b>	5,1 mΩ (IEC60896-21/22)

<b>Terminal</b>	M-M8-45°
<b>Terminal Torque</b>	8 Nm
<b>Container</b>	PP (Polypropylene)
<b>Temperature range</b>	-40°C to 55°C
<b>Dimensions (l x b/w x h)</b>	128 x 568 x 320 mm
<b>Weight</b>	57 kg
<b>Origin</b>	Büdingen, Germany

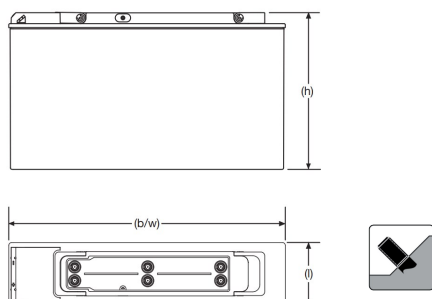
## CONSTANT POWER DISCHARGE

W @ 20 °C	5m	10m	15m	20m	30m	45m	1h	90m	2h	3h	4h	5h	6h	8h	10h	11h	12h	15h	18h	20h
1,900 V/C	2172	2079	1961	1845	1523	1209	977	767	631	468	367	304	261	203	166	152	140	114	96,2	86,7
1,870 V/C	2553	2431	2256	2089	1642	1306	1048	816	668	494	387	320	274	213	174	160	148	120	102	91,9
1,850 V/C	2912	2736	2493	2220	1729	1352	1090	845	690	510	398	329	282	219	179	164	152	124	105	95
1,830 V/C	3207	2918	2640	2327	1800	1382	1125	869	708	522	408	337	288	224	183	168	156	128	108	97,6
1,800 V/C	3474	3139	2786	2456	1884	1416	1164	920	760	536	418	345	295	228	187	172	159	130	110	100
1,770 V/C	3688	3276	2880	2529	1930	1435	1184	930	766	542	423	348	297	230	189	174	161	132	112	102
1,750 V/C	3818	3348	2933	2571	1957	1450	1196	936	769	546	425	350	299	232	190	175	162	133	112	102
1,730 V/C	4019	3496	2974	2601	1976	1462	1205	941	772	549	427	352	300	232	190	175	162	133	112	102
1,700 V/C	4248	3622	3025	2641	2002	1478	1217	947	775	552	430	354	302	234	190	175	162	133	112	102
1,670 V/C	4419	3694	3054	2672	2022	1491	1228	953	778	555	432	354	302	234	190	175	162	133	112	102
1,650 V/C	4596	3795	3087	2689	2034	1498	1235	955	779	556	432	354	302	234	190	175	162	133	112	102
1,600 V/C	4796	3864	3128	2722	2057	1513	1250	963	783	557	433	354	302	234	190	175	162	133	112	102

## CONSTANT CURRENT DISCHARGE

A @ 20 °C	5m	10m	15m	20m	30m	45m	1h	90m	2h	3h	4h	5h	6h	8h	10h	11h	12h	15h	18h	20h
1,900 V/C	182	172	162	152	129	104	88,6	69,9	56,6	40,8	32,4	27,5	23,4	18,1	14,7	13,5	12,4	10,1	8,56	7,77
1,870 V/C	211	202	187	171	145	114	94,9	74,2	60	43,1	34,1	28,9	24,5	19	15,5	14,2	13,1	10,7	9,01	8,19
1,850 V/C	241	221	200	180	152	119	98,8	76,7	61,8	44,3	34,9	29,5	25,1	19,4	15,9	14,6	13,5	11	9,25	8,4
1,830 V/C	265	241	216	190	159	123	101	79	63,2	45,1	35,6	30	25,5	19,7	16,2	14,8	13,7	11,2	9,44	8,59
1,800 V/C	290	262	230	202	164	127	104	81,1	64,7	46,1	36,3	30,4	25,9	20,1	16,5	15,1	14	11,4	9,66	8,76
1,770 V/C	313	279	244	213	170	131	107	82,6	65,8	46,8	36,8	30,6	26,3	20,3	16,8	15,4	14,2	11,6	9,79	8,9
1,750 V/C	327	292	255	220	174	133	109	83,5	66,5	47,2	37,1	30,7	26,5	20,5	16,9	15,5	14,3	11,6	9,85	8,95
1,730 V/C	344	305	264	226	177	134	110	84,3	67,1	47,6	37,3	30,9	26,6	20,6	16,9	15,5	14,3	11,6	9,85	8,95
1,700 V/C	363	318	271	233	182	136	111	85	67,6	47,9	37,7	31,2	26,8	20,7	16,9	15,5	14,3	11,6	9,85	8,95
1,670 V/C	386	325	277	239	185	138	113	85,7	68,2	48,3	37,8	31,2	26,8	20,7	16,9	15,5	14,3	11,6	9,85	8,95
1,650 V/C	409	331	283	243	188	140	114	86,3	68,5	48,4	37,9	31,2	26,8	20,7	16,9	15,5	14,3	11,6	9,85	8,95
1,600 V/C	433	343	291	249	192	142	115	86,8	68,8	48,6	37,9	31,2	26,8	20,7	16,9	15,5	14,3	11,6	9,85	8,95

## Technical drawing



## Cycle life vs. DOD

