

The dryfit range  
for modular performance adaption.



## Specifications

- Design life 12 years (20 °C) (80% remaining capacity)
- EUROBAT Classification: Long life
- Superior cycle performance
- Shelf life of up to 2 years without recharge (20 °C) due to very low self discharge
- Very low gassing
- Short recharge time
- Proof against deep discharge
- Grid plate made of lead calcium alloy
- Non dangerous goods by rail, sea, air transportation
- Front access to the terminals M8 male
- Insulated block connector and protected terminals
- Handles for easy transportation
- Polypropylene container
- Maintenance-free (no topping up) during the whole service life due to the Sonnenschein dryfit technology
- Designed in accordance with IEC 60896-21/-22
- Proven life in many installations worldwide

## Applications

The dryfit Gel battery offers excellent performance in a variety of applications and is well suited to areas where the power supply is unstable and harsh outdoor environment are prevalent.

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## Technical characteristics and data

Type	Part number	Nom. voltage V	Nominal capacity $C_{10}$ 1.80 Vpc 20 °C Ah	Length (l) max. mm	Width (b/w) max. mm	Height (h1) max. mm	Weight approx. kg	Internal resistance mOhm	Short circuit current A	Terminal
A412/120 FT	NGA4120120HSOMA	12	120	115	548	275	40.0	7.00	1725	M-M8-45°

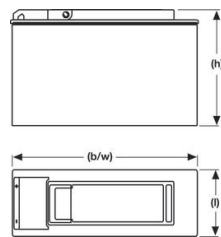
## Discharge in A at 20 °C

Vpc	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h
1.90	141	123	117	104	84.6	66.4	56.1	36.0	26.6	20.9	17.6	12.4	10.7	5.75
1.85	190	152	139	121	96.0	75.3	63.5	39.6	28.6	22.5	18.9	13.4	11.5	6.17
1.80	216	172	152	132	104	81.4	67.5	41.0	29.6	23.3	19.6	13.8	11.9	6.40
1.75	238	189	163	141	109	83.8	68.8	41.9	30.2	23.8	20.0	14.1	12.2	6.53
1.70	261	206	171	145	112	85.5	70.2	42.7	30.8	24.3	20.4	14.4	12.4	6.66
1.65	278	213	174	148	114	87.2	71.7	43.6	31.4	24.8	20.8	14.7	12.7	6.79
1.60	290	218	178	151	116	88.8	72.8	44.3	32.0	25.2	21.1	15.0	12.9	6.91

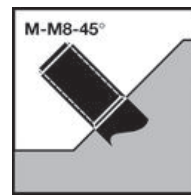
## Discharge in W/Block at 20 °C

Vpc	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h
1.90	1765	1459	1261	1110	927	774	681	462	329	259	215	153	127
1.85	2054	1815	1568	1356	1105	901	780	513	379	296	245	164	136
1.80	2354	2001	1683	1457	1185	957	821	532	396	310	256	171	141
1.75	2568	2144	1790	1543	1241	998	847	549	405	316	261	173	143
1.70	2809	2245	1884	1620	1288	1025	866	558	410	320	263	175	144
1.65	3040	2309	1942	1668	1318	1042	880	561	413	322	265	176	145
1.60	3259	2409	1983	1681	1332	1050	888	566	416	323	266	177	146

## Drawings with terminal position, terminal and torque











Not to scale!



8 Nm

## Specifications

							
Design life in years: 12	Nominal capacity 120 Ah ( $C_{10}$ )	Block battery	Grid plate	Recyclable	Valve regulated lead-acid batteries	Proof against deep discharge free (no topping-up)	Maintenance-free (no topping-up)