

# SolarPack SP-A

## Solar Batteries 12V, 28-200Ah (C20)

- sealed
- maintenance-free
- deep cycle
- valve-regulated
- lead acid

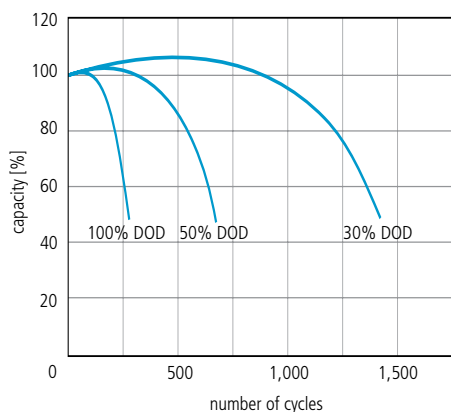
### Applications

- solar home systems (SHS)
- solar village lightning
- inverters
- UPS
- emergency lightning
- telecom relays stations

### Features

- excellent discharge/recharge behaviour
- rugged and vibration-resistant
- max. self discharge less than 4 % of capacity per month at 25 °C
- high life expectancy
- easy installation

### Cycle Service Life in Relation to Depth of Discharge



### Specifications

Modell	SP-A28	SP-A40	SP-A55	SP-A65	SP-A75	SP-A100	SP-A120	SP-A150	SP-A200
article #	16010	16012	16014	16015	16016	16018	16020	16022	16024
nominal voltage	12V	12V	12V	12V	12V	12V	12V	12V	12V
nominal capacity (20 hrs)	28Ah	40Ah	55Ah	65Ah	75Ah	100Ah	120Ah	150Ah	200 Ah
max. discharge current (5 sec)	280A	320A	440A	520A	600A	800A	960A	1,200A	1,600 A
max. short duration discharge current (0.1 sec)	840 A	800A	1,100A	1,300A	1,500A	2,000A	2,400A	3,000A	4,000 A
standard terminals	FP01 RT05 FO21	FP28 RT19	FP14 FP15 FP22 RT14	FP28 RT19	FP16 FP17 FP24 RT07	FP29 RT22	FP05 RT20	FP20 RT19	FP08
container material	ABS	ABS	ABS	ABS	ABS	ABS	ABS	ABS	ABS
internal resistance (25 °C)	9mΩ	8mΩ	10mΩ	7mΩ	7.5mΩ	6.5mΩ	5mΩ	4.5mΩ	4.5mΩ
charging voltage (25 °C) standby use	2.275V ±0.025 V/cell	2.275V ±0.025 V/cell	2.275V ±0.025 V/cell	2.275V ±0.025 V/cell	2.275V ±0.025 V/cell	2.275V ±0.025 V/cell	2.275V ±0.025 V/cell	2.275V ±0.025 V/cell	2.275 V ±0.025 V/cell
charging voltage (25 °C) cycle use	2.45V ±0.05 V/cell	2.45V ±0.05 V/cell	2.45V ±0.05 V/cell	2.45V ±0.05 V/cell	2.45V ±0.05 V/cell	2.45V ±0.05 V/cell	2.45V ±0.05 V/cell	2.45V ±0.05 V/cell	2.45 V ±0.05 V/cell
max. charging current	8.4A	12A	16.5A	19.5A	22.5A	30A	36A	45A	60 A
capacity (25 °C)									
20 hrs	28Ah	40Ah	55Ah	65Ah	75Ah	100Ah	120Ah	150Ah	200 Ah
10 hrs	25.2Ah	36Ah	49.5Ah	58.5Ah	67.5Ah	90Ah	108Ah	135Ah	160 Ah
5 hrs	22.4Ah	32Ah	44Ah	52Ah	60Ah	80Ah	96Ah	120Ah	150 Ah
1 hr	16.8Ah	24Ah	33Ah	39Ah	45Ah	60Ah	72Ah	90Ah	120 Ah
1 C	14Ah	20Ah	27.5Ah	32.5Ah	37.5Ah	50Ah	60Ah	75Ah	100 Ah
weight	9.1 kg	14.6kg	18.1 kg	23.7kg	26.5 kg	32.9kg	38.4 kg	47.1 kg	66.0 kg
total height	125 mm	170 mm	228 mm	174 mm	227 mm	218 mm	235 mm	241 mm	245 mm
container height	125 mm	170 mm	207 mm	174 mm	208 mm	214 mm	210 mm	241 mm	218 mm
length	166 mm	196 mm	229 mm	350 mm	259 mm	329 mm	407 mm	483 mm	518 mm
width	175 mm	165 mm	138 mm	166 mm	168 mm	174 mm	173 mm	170 mm	240 mm

