

## VRLA Replacement Battery

- ◆ Direct Lead Acid Battery (AGM/GEL) replacement
- ◆ Environment friendly, without any heavy metals
- ◆ Free maintenance required through out the lifetime
- ◆ High energy density and conversion efficiency
- ◆ Advanced intelligent BMS inside, No explosion, No fire
- ◆ Great high temperature performance
- ◆ Fast charge, Max charge current can be 1C
- ◆ High cycle times and long service life
- ◆ Ultra low self discharge rate <1.5%/month



### SPECIFICATION

Model	AQ-LFP Series				
Product Parameter	AQ-12.8V5Ah	AQ-12.8V10Ah	AQ-12.8V15Ah	AQ-12.8V20Ah	AQ-12.8V30Ah
Composition	4S3P	4S6P	4S4P	4S5P	4S7P
Rated Voltage	12.8V	12.8V	12.8V	12.8V	12.8V
Operating Voltage Range	10-14.4V	10-14.4V	10-14.4V	10-14.4V	10-14.4V
Rated Capacity	5Ah	10Ah	15Ah	10Ah	30Ah
Rated Energy	64Wh	128Wh	192Wh	256Wh	384Wh
Max Input Current	2.5A	5A	5A	10A	10A
Max Output	10A	10A	20A	20A	30A
Cycle Life	5000	5000	5000	5000	5000
Weight	0.73kg	1.5kg	1.75kg	2.2kg	3.1kg
Size(mm)	L:90 W:70 H:101	L:151 W:65 H:94	L:150 W:95 H:95	L:180 W:77 H:167	L:195 W:130 H:163

Product Parameter	AQ-12.8V40Ah	AQ-12.8V50Ah	AQ-12.8V80Ah	AQ-12.8V100Ah	AQ-12.8V300Ah
Composition	4S10P	4S12P	4S20P	4S1P	4S1P
Rated Voltage	12.8V	12.8V	12.8V	12.8V	12.8V
Operating Voltage Range	10-14.4V	10-14.4V	10-14.4V	10-14.4V	10-14.4V
Rated Capacity	40Ah	50Ah	80Ah	100Ah	300Ah
Rated Energy	512Wh	640Wh	1024Wh	1280Wh	3840Wh
Max Input Current	20A	25A	25A	40A	100A
Max Output	40A	50A	50A	100A	200A
Cycle Life	5000	5000	5000	5000	5000
Weight	1kg	5kg	8.6kg	8.64kg	26.5kg
Size(mm)	L:197 W:166 H:170	L:223 W:150 H:178	L:306 W:168 H:211	L:329 W:212 H:219	L:520 W:269 H:220



BMS performance

- Over Voltage Protection
- Short Circuit Protection
- Over Discharge Protection
- Over Current Protection
- Over Charge Protection
- Over Heat Protection
- Supports Bluetooth

Guangxi Ares Energy Technology Co., Ltd

Email:sales03@szznp.com  
Phone:+860777-5812222  
www.szznp.com

