



Liquid Cooling 280-1C-3727L Energy Storage System



Safe

- Multi-level battery protection
- Liquid cooling technology
- System IP54 & battery IP65 protection



Simple & Fast

- Factory pre-assembly reduces installation and commissioning costs
- Convenient operation & flexible maintenance



Scalable & Customized

- Modular design
- Parallel connection and easy capacity expansion
- Customized solutions



Smart

- Digital technology, remote collaboration & intelligent monitoring
- Active cell balancing

FPR 280-1C-3727L Container ESS

System	
Cell configuration	10P416S
Rack Qty.	10 pcs
Rated voltage	1331.2V
Work voltage range	1164.8 - 1497.6V
Rated Energy	3.727MWh
Allowed C-rate	1C
Cooling type	liquid
Dimension(W*D*H)	6058*2438*2896 mm (20ft.)
Weight	~38,000 kg
Temp. difference	≤5°C
DC RTE	≥92%
Lifespan	20 years
IP grade	IP54
FSS type	NOVEC 1230 (for reference)
COM port/protocol	Modbus TCP/IP
Recommended storage temp. range	15 - 30 °C
Operation ambient temp. range	-30 - 55°C
Certificates	UL9540, UN3536

Battery Cell	
Battery chemistry	LFP
Nominal capacity	280Ah
Nominal energy	896 Wh
Nominal voltage	3.2 V
Operating voltage	2.5-3.65 V
Dimension (W*D*H)	174*72*207 mm
Battery cell weight	~5.5 kg
Recommend C-rate	1C
Battery cell certificate	UL9540A, IEC62619, UN38.3

*Increase 34.5% energy density, and reduce approx. 15% construction cost.

*Specifications are subject to change without prior notice.

FPR Connectivity Pte. Ltd.

Address: #19-02, 20 Collyer Quay, Singapore

Email: sales01@fprconn.com

Tel: +1(613) 2619849

FPR New Energy Technology Co., Ltd.

Address: Building 9, Shenzhen Software Park II, Nanshan, Shenzhen, China

Tel: +86- 755- 26914599

Website: www.fpr-newenergy.com



Scan to visit
our official website