

Powering Possibilities

The greenest battery – **inside and out**

Power you can depend on – **guaranteed**

Delivers for 15 years **and beyond**



SPECIFICATION

LIFOS FORT PV	LF1010SPVG	LF1020SPVG	LF1035SPVG
Maximum continuous output		11kVA	
Battery storage capacity	11kWh	22kWh	33kWh
Manufacturer	Lifos		
AC Input voltage from mains / generator	170 - 280		
AC Input voltage frequency from mains / generator	50 / 60Hz (Auto Selector)		
Generator autostart	Yes		
Output voltage	230VAC / 50Hz		
Voltage phase	Single		
Voltage output waveform	Pure sine wave		
Performance at 25°C	10kVA		
Power factor	1		
Inverter efficiency AC mode	>93%		
Peak output power	22kVA		
Power input type	1 x 32 A, 230AC and 1 pair MC4 solar connectors, DC		
Power output type	1 x 16A and 1 x 32A, 230V AC		
Operating temperature range	-10 to +55°C		

LIFOS SOLAR PANEL			
Panel power and qty	190w x 18		
Solar string type	6S3P (user configurable)		
Nominal total PV voltage	190.8V		
Max PV total open circuit voltage (OCV)	227.16V		
Total solar power	3.42 kW		
Approximate charge time using 3.4kw solar array (peak)	3.3 hrs	6.6 hrs	9.9 hrs
Solar panel mounting	Each panel is fitted with a ground stand or can be roof mounted using the optional roof top mounting system		

INVERTER SOLAR CONTROLLER	
Solar input compatible range, voltage	90 – 450VDC
Max solar current	18A

BATTERIES	LF1010SPVG	LF1020SPVG	LF1035SPVG
Chemistry	LiFePO4 (LFP)		
Number of Lifos battery packs	1	2	3
Guaranteed min. cycle lifetime at 25C, 80% DOD	3200		
Total battery capacity	11kWh	22kWh	33kWh
Run time without power input at 75% load	1.2hrs	2.4hrs	3.6hrs
Run time without power input at 100% load	0.8hrs	1.6hrs	2.4hrs

INCLUDED WITH ALL MODELS

1 x Lifos Fort PV	18 x Lifos 190wp/24v Solar Panels each with ground stand	1 x 5 year warranty
1 x 1m copper earth rod	1 x Solar panel cable bundle	1 x Lifos College Training Place
1 x DC isolator box with connection cable	1 x 12 month subscription to LiQ Data System	1 x Instruction manual and training

MONITORING / INTERFACES

LiQ for global monitoring	Physical on / off lights and LCD power monitor on equipment
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PERFORMANCE IN HYBRID MODE	LF1010SPVG	LF1020SPVG	LF1035SPVG
Recharging time with 10kVA generator	1.6hrs	3.2hrs	4.8hrs

DIMENSIONS AND WEIGHT

Dimensions (L x W x H)	1200 x 1200 x 1517mm		
Weight (approximate)	668kgs	758kgs	848kgs
For use on ground slope	<20 degrees from horizontal		

WARRANTY

All operating parts	5 years
Paint warranty	2 years

OPTIONAL ACCESSORIES

Roof top mounting system	An easy build mounting system to hold all 18 solar panels, which once built can be craned and locked into position on a standard 20ft container or cabin. All parts fit neatly into the Fort PV all weather enclosure
Additional battery packs	You can expand a Fort PV up to three battery packs
Additional Solar Panels	Add extra 190w Lifos Solar Panels to the existing 3.4kw array to expand the solar capability



Lifos reserve the right to modify any feature without prior notice. Images are indicative and non contractual.

