

EL-F-SERIES

51.2V-280/300/314/560AH



Features



High-Efficiency Power Generation

- Adopts lithium iron phosphate battery cell, with cycle life of 6000+(times).
- Compatible with mainstream inverter communication protocol, strong adaptability
- Maximum 16 units parallel connection, strong scalability



Safe and Reliable

- IP20 protection, 10-year warranty
- Built-in BMS and air switch, all-round protection
- Localized sales support + perfect after-sales service



User-friendly

- Supports floor , saving installation space.
- Equipped with 4.3-inch touch color screen, more comprehensive display content

Model		F14	F15	F16	F28
Main Parameter					
Battery Chemistry		LiFePO4			
Capacity (Ah)		280	300	314	560
Scalability		Max. 16 pcs pack in parallel			
Nominal Voltage (V)		51.2			
Operating Voltage(V)		43.2~57.6			
Nominal Energy (kWh)		14.34	15.36	16.08	28.67
Usable Energy (kWh) [1]		12.90	13.82	14.47	25.80
Charge/Discharge Current (A) [2]	Recommend	150	150	150	250
	Max.	200	200	200	300
	Peak(2mins,25 °C)	250	250	250	450
Other Parameter					
Recommend Depth of Discharge		80%			
Dimension(W*H*D, mm)		530*742*255	530*742*255	530*742*255	570*920*250
Weight Approximate(kg)		124	126	127	232
IP Rating of Enclosure		IP20			
Operating Temperature		Charge: 0~55°C Discharge: -20°C~60°C			
Storage Temperature		0~40°C			
Humidity		5%~95%			
Altitude		≤2000m			
Cycle Life		≥6000(25 °C±2°C,0.5C/0.5C,80%DOD,70%EOL)			
Installation		Floor-Mounted			
Communication Port		CAN2.0,RS485			
Warranty Period [3]		10 years			
Certification		UN38.3, IEC62619, CE			

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Conditions apply, refer to elitec solar Warranty Letter.