

## FDolphin Portable Suitcase Energy Storage System

3.6kW-5.12kWh | 5kW-5.12kWh



Suitcase design, easy to move for power supply



Standard configuration of Solar and AC charging cables

**5.12kWh**

Integrate Max. 5.12kWh battery, long time power supply

**Max. 5kW**

Max. 5kw output power supporting various outdoor work equipment



Both PV and grid charge, fast and convenient



Multi-purpose AC outlet, easy to use

**1 Hour**

At the fastest, it can be fully charged in 1 hour



Multiple protections, safe and reliable

Model	FDolphinX-PLUS-036E	FDolphin-X-PLUS-050E
<b>Battery</b>		
Rated voltage	25.6V	51.2V
Voltage range	22.4~28.8V	44.8±57.6V
Capacity	5.12kWh	5.12kWh
Max. Discharge Current	180A	100A
Max. Charge Current (AC+PV)	100A	100A
Cycle Life (25°C, 0.5C)	≥4000 times, 80% Capacity retention	
Battery Type	Li-ion (LFP)	
<b>AC Output(Backup)</b>		
Rated Power	3600W	5000W
Output Voltage	208/220/230/240Vac ± 5%	
Output Frequency	50/60Hz ± 1%	
Max Output Current	17.3A	22.7A
Rated Current	15.7A	21.7A
Output Wave	Pure Sine Wave	
Peak Efficiency (Battery Mode)	>90%	
Transfer Time	20ms	
Output type	Multi-purpose AC Outletx2	
<b>AC Input</b>		
Input Sources	L+N+PE	
Rated Input Voltage	APL Mode: 90~250Vac/UPS Mode:170~264Vac	APL Mode:154~264Vac/UPS Mode:185~264Vac
Rated Input Voltage	230Vac	
AC input frequency	50/60Hz	
<b>PV Input</b>		
Max PV Input Power	5000W	5500W
Max. PV Input Voltage	500V	450V
MPPT Voltage Range	40~450V	120~430V
Max PV Input current	18A	
Max. DC Short Circuit Current	20A	
<b>General Data</b>		
Range of working temperature	Charge: 0°C~50°C/Discharge: -10°C~55°C	
Optimal working temperature range	20°C~30°C	
Storage temperature	-15°C~60°C	
Humidity	20-95% non-condensing	
Cooling strategy	Fan	
Weight	65kg	68kg
Dimension [W*H*D]	510*528.5*310mm	
Enclosure protection rating	IP43	
Communication	RS485	
Certificate	CE, UN38.3	