

FDolphin Series Off-Grid All-in-One ESS

3.6kW-8.16kWh | 5kW-10.24kWh | 6.2kW-16.08kWh



FDolphin-3600-Pro

FDolphin-5000-WP

FDolphin-6200-MAX



Easy data check via both LCD touch display or App



All in one design, compact and elegant appearance

2 Load Output

Dual load output interfaces, one of which can be set

20ms

Less than 20ms hhh-level switching

Parallel

The AE-6200-MAX model supports up to 6 devices connected in parallel to form single-phase or three-phase systems.



Can be set to feed surplus PV power in to the grid



Reserve Dry communication and support linkage with diesel generators



Support remote software upgrade (OTA)

Model	FDolphin-3600-Pro	FDolphin-5000-WP	FDolphin-6200-MAX
Battery			
Rated voltage	25.6V	51.2V	51.2V
Voltage range	22.4~28.8V	44.8~57.6V	44.8~57.6V
Capacity	8.16kWh	10.24kWh	16.08kWh
Max. Discharge Current	150A	100A	100A
Max. Charge Current	100A	80A	100A
Battery type	Li-ion (LFP)		
AC Output(Backup)			
Rated power	3600W	5000W	6200W
Number of load output channels	2 (One of the outputs can be configured to disconnect under specified conditions.)		
Rated output voltage	208/220/230/240V		
Max. output current	16A	22.7A	28.1A
Rated Current	15.7A	21.7A	27A
Rated frequency	50/60Hz		
THDv	<3%		
Peak Efficiency(Battery Mode)	>92.7%	>92%	>93%
Output type	Pluggable connector		
Parallel	No	No	Up to 6 units parallel (single phase/three phase system)
AC Input			
Input Sources	L+N+PE		
AC Input Voltage Range	APL Mode: 90~280Vac/ UPS Mode: 170~264Vac	APL Mode: 154~264Vac/ UPS Mode: 185~264Vac	APL Mode: 90~280Vac/ UPC Mode: 170~280Vac
Rated Input Voltage	208/220/230/240V		
AC input frequency	50/60Hz (Auto Adaptive)		
PV Input			
Max PV Input Power	5000W	5500W	6600W
Max. PV Input Voltage	500V	450V	500V
MPPT Voltage Range	40~450V	120~430V	120~450V
Max. DC Input Current	18A		22A
Max. DC Short Circuit Current	20A		24A
Number of independent MPPT trackers	1		
No. of PV strings per MPPT trackers	1/1		
General Data			
Range of working temperature	0~50°C (Charge)/-10~50°C (Discharge)		
Storage temperature	-15°C~60°C		
Humidity	20-95%		
Cooling strategy	Fan		
Altitude	<1000m	<2000m	<1000m
Enclosure protection rating	IP20		
Communication	RS485, WiFi, Dry		
Dimensions [H*W*D]	820*500*180mm	1150*600*150 mm	1080.5*590*240 mm
Weight	75.5kg	103kg	133kg
Certificate			
Certificate	CE, UN38.3, MSDS		