






# Off-Grid All-in-one ESS



PowerIsland (2.4–4.8kWh)

-  All-in-one design
-  Dual MPPT design
-  LCD display

-  UPS level switching time < 20ms
-  2 Sockets Output

## Off-Grid All-in-one ESS

**DUNEXT**

Model	P2.4–2.4kWh	P2.4–4.8kWh
Cell type	Battery Li-Ion	
System capacity [kWh]	2.4	4.8
Rated Voltage [V]	48	
Max. AC Charging Power [W]	1200	1680
Max. AC Continuous Charging Current [A]	30	
Max. PV Charging Power [W]	1200	2400
Max. PV Continuous Charging Current [A]	50	
	PV Input	
Max. Input Power [W]	1200	2400
Max. Input Voltage [V]	65	
Max. Input Current [A]	28	
Number of PV input	4	
No. of MPP Trackers	2	
MPPT Range [V]	18–60	
	Off-Grid Output	
Nominal Output Voltage [V]	230	
Nominal Output Power [W]	2400	
Nominal Output Frequency [Hz]	50/60	
Max. Efficiency	92%	
THDi [@Rated Power]	< 3%	
	AC Input	
Input Voltage Range [V]	180–264	
Nominal AC Frequency [Hz]	50/60	
Max. AC Input Current [A]	10	
On-Grid to Off-Grid Switching Time [ms]	≤ 20	
Off-Grid to On-Grid Switching Time [ms]	≤ 10	
	Protection	
Over voltage Protection	Yes	
Short Circuit Protection	Yes	
Over temperature Protection	Yes	
	General Parameters	
Dimensions [W*H*D] [mm]	540*560*252	
Weight [kg]	43.5	65.5
Degree of protection	IP20	
Cooling method	Fan Cooling	
Display	LCD	
Communication	CAN	