



ALL In One ESS

Arenq Series



ESS



For PowerX - At ARENQ, we believe in delivering smart, reliable, and energy-efficient power solutions for modern homes and businesses. Our advanced PowerX Smart Lithium Solar Inverter Series is designed to provide uninterrupted backup, superior performance, and long-lasting reliability with the latest lithium battery technology.

ARENQ combines intelligent inverter systems with high-performance LiFePO4 lithium batteries to create eco-friendly energy solutions that reduce maintenance and improve efficiency. The PowerX series supports solar integration, intelligent charging, pure sine wave output, and fast changeover technology, making it ideal for residential, commercial, and rural backup applications.



INBUILT LITHIUM BATTERY
Long life, zero maintenance with superior performance



SOLAR COMPATIBLE
High efficiency PWM/MPPT solar charging technology



WALL MOUNTED DESIGN
Compact, space-saving and stylish design



ZERO MAINTENANCE
No acid fumes, no water top-up, completely hassle-free



FAST CHARGING
Smart charging for higher efficiency and reliability



PURE SINE WAVE OUTPUT
Clean and stable power for all sensitive appliances





Model	PowerX1000 Solar	PowerX2000 Solar
Mounting	Wall Mounted	
Topology	Sine Wave	
Battery Type	Lithium Ion	
Battery Capacity	12.8V - 100Ah	25.6V -100 Ah
Output Voltage	220V +/- 5%	
Output Frequency	50Hz+0.5Hz	
Grid Charging Current Battery	15 Amp.	
UPS Mode / Changeover Time	170 To 270V +/- 10Xeh<10 ms	
INV Mode / Changeover Time	70 To 280V + /- 10V.h< 15 ms	
Protection		
Over Load Protection	Yes	
Short Circuit Protection	Yes	
Low Battery Protection	Yes	
Over Temperature Protection	Yes	
PV Reverse	Yes	
Battery High Cut	Yes	
AC MCB Trip	Yes	
Solar Compatibility	Yes	
Display Parameters		
Display Type	Multi-Function Graphic Display	
Dual Display LCD+LED	Inverter/UPS ON, Display Battery Voltage, Mains Grid Available, Display Input Voltage, Charging Mode, Current Charging, Load running Status, Output Voltage, Solar current, Battery Charge Indicator, Load % Indicator	
	04 LED (GRID, INV, SOL, ERR)	
Switches/Mode		
Front Panel	SET: Change Setting MODE: Enter Configuration	
Side Panel	ESS ON/OFF Switch	
Solar Charger		
Solar Charger Topology	PWM	
Max Solar Charging Current	50 Amps.	
Max Solar VOC	50V	
Recommended VOC (Max)	25V	50V
Environment		
Forced cooling	Through DC Cooling FAN	
Humidity	0-90% non-condensing	
Operating & Storage Temperature	0-45 deg. C	