

# FUTURE SOLAR

## PWR Cube



ESS ONE STOP SOLUTION

**POWER RATING:**  
500kW / 1000kW

**ENERGY RATING:**  
553kWh / 1106kWh

**ENCLOSURE STYLE:**  
20' containerized



## Standards:

IEC62619/IEC62477/EN62477

IEC61000/EN61000/CE

IEC62116

IEC61683/IEC60068

## The PWR Cube Solution:

### Smart and Friendly

- Seamless Integration With PV systems, Wind, DG And The Grid.
- Cloud-based Monitoring System For Digital And Fully Automated Management Of Energy Flows.

### Economic and Environmental Protection

- Longer Service Life And 10-year Performance Guarantee.
- Green And Environmentally Friendly By Using Clean Energy To Realize Power Supply In Areas Without Grid.

### Efficient and Flexible

- Integrated Charging And Discharging Efficiency Of Up To 86%.
- Modular Design, Supporting Parallel Expansion And Flexible Configurable Capacity.

### Safe and Reliable

- Perfect Fault Protection Mechanism And Real-time Monitoring Of Operation Status.
- UL 1973, IEC 62619 Test Certification.

	PWRC500500	PWRC5001000	PWRC10001000
System Parameter	500kW/553kWh	500kW/1106kWh	1000kW/1106kWh
Cooling Method	Air-cooled		
<b>Battery Parameters</b>			
Rated Battery Capacity	553kWh	1106kWh	1106kWh
Rated System Voltage	768V	768V	768V
Battery Type	Lithium Iron Phosphate Battery (LFP)		
Cell Capacity	180Ah	180Ah	180Ah
Connection Method	4P*16S*2P	8P*16S*2P	8P*16S*2P
DC Voltage Range	672~852V		
Max. Continuous Charge Current	720A @ 1C	1440A @ 1C	1440A @ 1C
Max. Continuous Discharge Current	720A @ 1C	1440A @ 1C	1440A @ 1C
Cycle Life	6000 @ 1C @25°C		
Service Life	10 years		
<b>AC Parameters</b>			
Rated AC Power	500kW	500kW	1000kW
Nominal AC Current Rating	720A	720A	720*2A
Rated AC Voltage	400V, 3P+N+PE,50Hz		
Total Current Harmonic Distortion (THD)	<3% (Rated Power)		
Power Factor Adjustable Range	1 Ahead ~ +1 Behind		
<b>General Parameters</b>			
Protection Level	IP 54 / NEMA 3R		
Fire Protection System	Aerosols/perfluorohexanone/heptafluoropropane		
Isolation Method	Non-isolated (Optional Transformer)		
Operating Temperature	25~60°C(Derating Above 45°C)		
Poster Height	RS485/CAN2.0/Ethernet/Dry contact		
Dimension (W*H*D)	6058*2438*2591mm	6058*2438*2591mm	6058*2438*2591mm
Weight	18,000kg	2300kg	TBC