

# TG-ePowerMax-C1440

Solar-ESS-Diesel Integrated Container

- Integrated Turnkey Solution: Prefabricated container delivery with built-in 750kW PCS + 720kW MPPT. High integration, configurable with a 1000kW STS outdoor cabinet for grid/off-grid applications.
- One-Cluster-One-Management: Single PCS corresponds to a single battery cluster, fundamentally resolving issues like circulating currents, uneven currents, and parallel capacitance loss. Deep integration of BMS and PCS reduces costs, improves efficiency, and achieves higher space utilization.

## TG-ePowerMax-C1440 Solar-ESS-Diesel Integrated Container

Module	TG-ePowermax-750-1446L
<b>Battery parameters</b>	
Battery packs quantity	30
Cell capacity	314Ah
Rated voltage	768V
Voltage range	600V~876V
Rated energy	1446.912kWh
Max.continuous charging/discharge current	942A
Max.charging current	100%
Cycle life	6000 times @25°C/0.5C/0.5C 90%DOD≥70%SOH
<b>PV parameters</b>	
Max.PV input power	720kW
Rated input voltage	600Vdc
Max.input voltage	1000Vdc
MPPTvoltage range	150-950V
PVinput current	45A*32
<b>AC side parameters</b>	
Rated input/output power	750kW
Max.input/output power	900KVA
Overload capacity	1.1Pn,lasting for 10minutes;1.2Pn,lasting for 1 minute
Max. efficiency	98.00%
Voltage	3L/N/PE;400V
Frequency	50/60Hz
THDi	≤3%
Power factor	1 leading to 1 lagging
<b>System parameters</b>	
Dimension(W*D*H)	6058*2438*2591mm
Weight	About 22.5T
Contact method	CAN/R5485/WiFi
Design Life	10 Years
Expansion	/
Enclosure protection rating	IP54
Cooling	Liquid cooling
Environment temperature	-25~60°C(>45°C reduction)
Humidity	10%~95%RH
Altitude	<2000m

- Images for reference only, please refer to the actual product images in the order