ESS Cabinet
KPES-125/261L

KEYPOWER
Anytime Anywhere, Power Solutions

GENERAL	
Model: KPES-125/261L	Max. Round Trip Efficiency: 89%
Cycle Life: 8,000 cycles	Communication: Modbus TCP/IP
Fire Suppression System: Aerosol	Ingress Rating: IP55
Cooling: Liquid cooling+Forced air cooling	Operating Temperature: -25℃~55℃ (Derating after 45℃)
Anticorrosion Rating: C4 (C5 optional)	Humidity: 0~95% RH (non-condensing)
Noise: 75 dB	Altitude: 3000m (Derating above 2000m)
Dimensions (WxDxH): 1,050x1,350x2,400 mm	Weight: 2,600 kg
Safety/EMC: UN38.3, IEC62619, IEC63056, IEC62477-1, IEC61000-6-2/4, UL9540A	
Grid code: EN50549-1/-10, EN50549-2/-10, G99, VDE4105, NRS097, C10/11, CEI0-21, CEI0-16	

AC Side	
Rated Output Power: 125 kW	Rated AC Voltage: 400 V
AC Voltage Range: ±15%	Grid Type: 3W+N+PE
Rated Frequency: 50 Hz / 60 Hz	Power Factor: 0.99/ -1 ~ +1
THDi: 3%	DC Ratio: <0.5% Ipn

DC Side	
Cell Type: LFP / 314 Ah	Pack Configuration: 52.2 kWh / 1P52S
System Configuration: 261 kWh / 1P260S	Rated DC Voltage: 832 V
DC Voltage Range: 728 ~ 936 V	Max.Charge/Discharge Rate: 0.99/ -1 ~ +1
Max. Depth of Discharge: 100% (25 ± 2 ℃)	

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