

# ConsusPrime

## Utility Scale Energy Storage System (ESS)

ConsusPrime-10030kWh-2500kW-MV-4h



ConsusPrime-PCS2500kW-MV



Consus-BAT5015kWh-1

## DATASHEET

Models	ConsusPrime-10030kWh-2500kW-MV-4h
<b>DC Side</b>	
Cell type	LFP 3.2 V / 314 Ah
Battery configuration	12 × 1P416S × 2
Nominal capacity	5015 kWh × 2
Nominal voltage range	1123.2 V - 1497.6 V
<b>AC Side</b>	
Rated AC power	2580 kW (107.5 kW × 24)
Max.apparent output power	2838 kVA (118.25 kVA × 24)
PCS nominal AC voltage	3/PE, 690 V
DC component	<0.5%
THDi	3% (100% load)
Rated grid voltage	10 kV (10 kV ~ 35 kV Optional)
Rated frequency	50 Hz / 60 Hz
Grid frequency range	45 - 55 Hz / 55 - 65 Hz
Power factor	-1~1 (leading - lagging)
Isolation method	Transformerless
<b>General Data of Battery Container</b>	
Dimensions (W × H × D)	6058 × 2896 × 2438 mm
Weight	43000 kg
Operating ambient temperature range	-30 ~ +50°C
Relative humidity	0-100%
Ingress protection	IP 55
Corrosion resistance grade	C5-M
Cooling concept	Intelligent Liquid Cooling
Max. operation altitude	4000 m
Safety / EMC standard	IEC/EN 62619, IEC/EN 61000, IEC 62933
Communication	Ethernet / CAN
Warranty	5 years (Extend to 10 years)
<b>General Data of MV (PCS inside)</b>	
Dimensions (W × H × D)	6058 × 2896 × 2438 mm
Weight	≤ 20000 kg (10 kV)
Operating ambient temperature range	-40 ~ +60°C
Relative humidity	0 - 100%
Ingress protection	IP 54
Corrosion resistance grade	C5-M
Cooling concept	ONAN (transformer)
Max. operation altitude	4000 m (> 2000 m derating)
Safety / EMC standard	IEC 60076, IEC 62271, IEC61439
Warranty	2 years (Extend to 10 years)