SolisStorage

ConsusPrime

Utility Scale Energy Storage System (ESS)

ConsusPrime-10000kWh-2500kW-MV-4h

ConsusPrime-2500kW-MV

Consus-BAT5000kWh-1

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DATASHEET

Models	ConsusPrime-10000kWh-2500kW-MV-4h
DC Side	
Cell type	LFP 3.2 V / 314 Ah
Battery configuration	12 × 1P416S
Nominal capacity	5015 kWh
Nominal voltage range	1123.2 V - 1497.6 V
Balance method	Active Balance
AC Side	
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 ~ 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
General Data of Battery Container	
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 54
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
Warranty	5 years (Extand to 10 years)
General Data of MV (PCS inside)	
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 (Extand to 10 years)

Preliminary

t: +86 574 6580 2188 **e**: sales@solisstorage.com service@solisstorage.com