

ePowerstation 500kWh

All-in-one Energy Storage Unit



superstate

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Datasheet

All-in-one Energy Storage Unit

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Model	ePowerstation 500 kWh
PV Input (DC)	
Battery type	Lithium Iron Phosphate/230Ah
Battery Voltage Range	300-850V
Battery Storage Capacity	500kWh
Grid side Output (AC)	
AC rated power	250kVA
AC maximum power	300kVA
Rated voltage range	380±20% V
Wire system	Three phase four wire
Rated grid frequency	50/60±5 Hz
AC current variability	≤3%
DC component	≤0.5%I _{pn}
Power factor	>0.99
Power factor control	-1~1
Unbalance compensation	100%
Harmonic compensation	2-25 times
Virtual sync function	Standardized
System data	
Maximum system efficiency	≥91%
Charge and discharge rate	0.5C
Battery depth of discharge	95%DOD
Cycle life	10000
Charge and discharge switching time	<100ms
Communication interface	LAN/CAN/485
Protection rating	IP54
Transformer	Optional
Cooling method	Smart air cooling
Operating temperature	-25~55°C
Relative humidity	5~95%RH, No condensation
Noise emission	<75dB
Dimensions	3000*2500*2200 mm
Fire protection system	Heptafluoropropane
Weight	4500kg