ENSERVER 500KW 500VDC

TECHNICAL DATA SHEET

MODEL	500KW
AC(ON-GRID)	
Apparent power	550kVA
Rated power	500kW
Rated voltage	400V
Rated current	722A
Voltage range	360V-440V
Rated frequency	50/60Hz
Frequency range	45~55/55~65Hz
THDI	<3%
PF	0.8 lagging~0.8 leading
AC connection	3/N/PE
AC(OFF-GRID)	
Apparent power	550kVA
Rated power	500kW
Rated voltage	400V
Rated current	722A
THDU	≤2% linear
Rated frequency	50/60Hz
Overload capability	110%-10 mins 120%-1 min

DC (BATTERY AND PV)	
Rated power	500kW
Current regulation	±1%
Voltage regulation	±1%
Voltage ripple	<3%
Current ripple	<2%
Voltage range	600V-900V
Max. charge/ discharge current	917A
GENERAL INFORMATION	
Maximum efficiency	98.50%
Protection degree	IP20
Noise emission	<65dB(A)@1m
Operating temperature	-25°C~+55°C
Cooling method	Forced-air
Relative humidity	0-95% non-condensing
Maximum altitude	6000m (derate above 3000m)
Dimension(W/H/D)	1200/1900/800mm
Weight	870kg
Build-in transformer	No
Lightning protection	Type II
Transfer between on/off grid	Manual(default) Automatic(optional) ≤10ms

COMMUNICATION	
Display	Touch screen
Communication	RS485/CAN
CERTIFICATE	
CE , MEA , PEA , EN 61000-6-4:2007+A1:2011 , EN61000-6-2:2005 , EN62109-1:2010 , EN62109-2:2011, NRS 097-2-1:2017, VDE 0126, UTE-C, 15-712, EN 50549-1:2019, PSE:2018-12	