

ENSERVER 100KW 500VDC TECHNICAL DATE SHEET



TECHNICAL DATA SHEET

ENSERVER 100kW 500VDC

MODEL	100KW
AC(O N - GRID)	
Apparent power	110kVA
Rated power	100kW
Rated voltage	400V
Rated current	144A
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	110kVA
Rated power	100kW
Rated voltage	400V
Rated current	144A
THDU	≤2% linear
Rated frequency	50/60Hz
Overload capability	110%-10 mins 120%-1 min

TECHNICAL DATA SHEET

ENSERVER 100kW 500VDC

DC (BATTERY AND PV)	
Rated power	100kW
Current regulation	±1%
Voltage regulatoin	±1%
Voltage ripple	<3%
Current ripple	<2%
Voltage range	500V-820V
Max. charge/ discharge current	220A
GENERAL INFORMATION	
Maximum efficiency	97.10%
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)	1100/1890/850mm
Weight	820kg
Build-in transformer	Yes
Lightning protection	Type II
Transfer between on/off grid	Manual(default) Automatic(optional) ≤10ms

TECHNICAL DATA SHEET

ENSERVER 100kW 500VDC

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