




### BATTERY ENERGY STORAGE SYSTEM 354 AC-DC

AC Grid	Net type	3 Phase 4 Wires, 50/60Hz, TN-S network (Additional 230 V IT)
	Rated voltage	400Vac
	Input power	173KW (250A socket)
BESS	Cell chemistry	LiFePO4
	Nominal capacity	354.8kWh, @100% DoD, 0.5C、25±3°
	Cycle life	5000 cycles @0.5C, 80% DoD, EOL≥70%
Output	400VAC, 3 phase 4 wires output	125A, 63A*2, 32A *2
	HV DC charging output	CCS type 2, max 150 kW, two guns, charging in turn
	Allowed max output power	200 KW
Others	Working environment	Outdoor, mobile, altitude below 2000 m
	Operation temperature	-20~40 °C
	Relative humidity	5-95%, no condensing
	Protection class	IP54
	Weight	9200 kg
	Dimensions	2991*2438*2896mm (L*W*H) , i.e. 10' HC
	Communications	CAN2.0B, RS485
	Max system conversion efficiency	86.5%
	Fire suppression system	N1230, automatic fire suppression

### BATTERY RACK

	Grouping configuration	1P198S
	Rated capacity of cell	280Ah
	Rated capacity of rack	177.4kWh
	Rated charging / discharging current	0.5C
	Nominal voltage	633.6V
	Battery voltage range	554.4~702.9V
	Discharging cutoff voltage	2.8V
	Charging cutoff voltage	3.55V
	Operation temperature range	Charging: 0-55°C;

	Insulation resistance	≥10MΩ
	Voltage resistance	3000VAC
<b>POWER CONVERSION SYSTEM (PCS)</b>	<b>MODEL</b>	<b>EPCS-200-50</b>
DC side	Voltage range	DC550~900V
	Single channel rated current	85A
AC on-grid	Output wiring system	3W+N+PE / 3W +PE
	Rated power	200 kW
	Rated voltage	AC380/400/415V
	Rated current	303A
	Voltage range	-15%~+10%
	Rated frequency	50/60 Hz
	Frequency range	±0.2 Hz
	Power factor	1
AC off-grid	Output wiring system	3W+N+PE / 3W +PE
	Rated power	200 KW
	Rated voltage	AC380/400/415V
	Rated frequency	50/60 Hz
	Rated current	303A
	Voltage precision	1 %
	Frequency precision	±0.2 Hz
	Unbalance load capacity	100 %
	Overload capacity	105%: continuous operation 105~120%:10 minutes
Environment	Operation temperature	-20~55°C
	Storage temperature	-40~70°C (no batteries)
	Relative humidity	0~95%, no condensing
	Working altitude	45°C, 2000m; degrading above 2000m
	Noise	< 75 dB
Others	Communication protocols	Modbus-RTU、Modbus-TCP、CAN2.0B, RS485
	Isolation	Transformer
	Protection class	IP20
	Cooling manner	Fan cooling, intelligent fan governing
	Maximum efficiency	98.5% (excluding transformer)
<b>DC CHARGER</b>	<b>MODEL</b>	<b>EVMS-150</b>
Capacity	Power output	150 kW
	Constant power range	400-1000 VDC
	Max. charge current	375A
AC Input	Power Connection	3P+N+PE
	Voltage Range	400VAC±20%
	Frequency	50/60HZ
	Nominal Input	217A
	Power	150KW

	Power factor	>0.99
	Efficiency	95 %
DC Output	Voltage Range	150-1000VDC
	Nominal Power	60-150KW
	Output Manner	Multi-standards DC Output
General	DC Interface	CCS2
	Display	10-inch color LCD
	Card Reader	ISO/IEC14443A, Mifare
	Internet Connection	4G (GSM) LAN WI-FI
	Communication	OCPP1.6J
	Environment	Indoor / Outdoor
	Working Temperature	-35°C-60°C(-20°C~-35°C,need to be heated)
	Storage Temperature	-40°C~+70°C
	Relative humidity	≤95% (no condensation)
	Altitude	Up to 2000m

#### CERTIFICATIONS & STANDARDS

	Compliance	CE, EN61851, EN62196, DIN70121, ISO15118
	Cell and battery pack	IEC 62619
	ESS	IEC 62619, IEC 61000, IEC 62196
	Power Conversion System	IEC 62477
	DC charger	IEC 61851

**Smart Energy**  
SYSTEMS

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