

Hardware

Low voltage system building blocks

Hybrid Inverters

Description	Grid	Battery	Capacity	Code	Mounting
Low voltage hybrid inverter (Deye)	3-phase	LV	10 kVA	LV-10-3P-01	wall
Low voltage hybrid inverter (Deye)	3-phase	LV	12 kVA	LV-12-3P-01	wall
Low voltage hybrid inverter (Deye)	1-phase	LV	8 kVA	LV-08-1P-01	wall
Low voltage hybrid inverter (Deye)	1-phase	LV	12 kVA	LV-12-1P-01	wall
Low voltage hybrid inverter (Deye)	1-phase	LV	16 kVA	LV-16-1P-01	wall

Batteries

Description	Voltage	Ah	Capacity [kWh]	Code	Mounting
LiFePO4 LV battery module	51.2	200	10.2	RB 512-200-W	wall
LiFePO4 LV battery module	51.2	280	14.3	RB 512-280-W	wall

High voltage system building blocks

Hybrid Inverters

Description	Grid	Battery	Capacity	Code	Mounting
High voltage hybrid inverter (Deye)	3-phase	HV	10 kVA	HV-10-3P-01	wall
High voltage hybrid inverter (Deye)	3-phase	HV	15 kVA	HV-15-3P-01	wall
High voltage hybrid inverter (Deye)	3-phase	HV	20 kVA	HV-20-3P-01	wall
High voltage hybrid inverter (Deye)	3-phase	HV	30 kVA	HV-30-3P-01	wall
High voltage hybrid inverter (Deye)	3-phase	HV	50 kVA	HV-50-3P-01	wall

Description	Grid	Battery	Capacity	Code	Mounting
High voltage battery inverter	3-phase	HV	215 kVA	HV-215-3P-01	standing IP54
High voltage battery inverter	3-phase	HV	430 kVA	HV-430-3P-01	standing IP54
High voltage battery inverter	3-phase	HV	1075 kVA	HV-1075-3P-01	standing IP54

eSTORE all in one solution (Battery rack with inverter)

Description	Voltage	Power [kW]	Capacity [kWh]	Code	Mounting
Energy storage with xEMS	512	50	102.4	eSTORE 512-200	standing IP20
Energy storage with xEMS	512	50	102.4	eSTORE 512-200-O	standing IP54
Energy storage with xEMS	1330	1075	1118	eSTORE 1330-840	standing IP54
Energy storage with xEMS	1330	1075	2236	eSTORE 1330-1680	standing IP54

Rack Modules

Description	Voltage	Ah	Capacity [kWh]	Code	Mounting
LiFePO4 LV battery module	51.2	100	5.1	RB 512-100-R	rack
LiFePO4 LV battery module	51.2	200	10.2	RB 512-200-R	rack
LiFePO4 LV battery module	51.2	280	14.3	RB 512-280-R	rack

Freestanding-modular Batteries

Description	Voltage[V]	Capacity [kWh]	Code	Mounting
LiFePO4 High Voltage	153.6	11.52	BA-G3-01-F	Freestanding (modular)
LiFePO4 High Voltage	204.8	15.36	BA-G4-01-F	Freestanding (modular)
LiFePO4 High Voltage	256	19.20	BA-G5-01-F	Freestanding (modular)
LiFePO4 High Voltage	409.6	30.72	BA-G8-01-F	Freestanding (modular)

***Each battery needs its own xEMS controller**

Energy Management

Description	Code	Mounting
xEMS compact controller	xEMS-C-01	Wall
xEMS compact controller - Isolated RS485	xEMS-C-01-MB	Wall
xEMS controller - Modular	xEMS-M-01	Wall
Wireless extension modules		Code
Wireless Modbus-to-Modbus bridge		WM-1
Wireless Modbus relay		WR-1
Wireless modbus 5 relay, 1 digital input, 1 temperature input		WR-5
Optional Power Sensors		Code
1-phase power sensor, DIN rail		PM1-E-D
1-phase power sensor, DIN rail, CT		PM1-E-D-CT
3-phase power sensor, DIN rail		PM3-E-D
3-phase power sensor, DIN rail, CT		PM3-E-D-CT
1-phase split core current transformer,50A		CT1-E-50
3-phase split core current transformer,50A,100A, 250A, 400A		CT3-E-XX

Software

Special parameters setting for EMS functionality with Robotina xEMS systems