

! THE PAGE IS UNDER CONSTRUCTION !

Hardware

Low voltage system building blocks

Hybrid Inverters

| Description | Grid | Battery | Power [kW] | Code | Mounting |
|------------------------------------|---------|---------|------------|-----------------------------|----------|
| Low voltage hybrid inverter (Deye) | 3-phase | LV | 10 | LV-10-3P-01 | wall |
| Low voltage hybrid inverter (Deye) | 3-phase | LV | 12 | LV-12-3P-01 | wall |
| Low voltage hybrid inverter (Deye) | 1-phase | LV | 8 | LV-08-1P-01 | wall |
| Low voltage hybrid inverter (Deye) | 1-phase | LV | 12 | LV-12-1P-01 | wall |
| Low voltage hybrid inverter (Deye) | 1-phase | LV | 16 | 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 | Power [kWh] | Code | Mounting |
|-------------------------------------|---------|---------|-------------|-----------------------------|----------|
| High voltage hybrid inverter (Deye) | 3-phase | HV | 10 | HV-10-3P-01 | wall |
| High voltage hybrid inverter (Deye) | 3-phase | HV | 15 | HV-15-3P-01 | wall |
| High voltage hybrid inverter (Deye) | 3-phase | HV | 20 | HV-20-3P-01 | wall |

| Description | Grid | Battery | Power [kWh] | Code | Mounting |
|-------------------------------------|---------|---------|-------------|-----------------------------|----------|
| High voltage hybrid inverter (Deye) | 3-phase | HV | 30 | HV-30-3P-01 | wall |
| High voltage hybrid inverter (Deye) | 3-phase | HV | 50 | HV-50-3P-01 | wall |
| High voltage hybrid inverter (Deye) | 3-phase | HV | 60 | HV-60-3P-01 | wall |
| High voltage hybrid inverter (Deye) | 3-phase | HV | 70 | HV-70-3P-01 | wall |
| High voltage hybrid inverter (Deye) | 3-phase | HV | 75 | HV-75-3P-01 | wall |
| High voltage hybrid inverter (Deye) | 3-phase | HV | 80 | HV-80-3P-01 | wall |

eSTORE all in one solution (Battery rack with inverter)

| Battery module RB 512-100-R | | | | | | Order code | |
|-----------------------------|------------|--------------|------------|------------------|--------------|--------------------------------------|--------------------------------------|
| No. of modules | Voltage[V] | Capacity[Ah] | Current[A] | Nominal Power[W] | Capacity[Wh] | Inverter HV-30-3P-01 | Inverter HV-50-3P-01 |
| 8 | 409,6 | 100 | 100 | 40960 | 40960 | eSTORE 410-800-30-0 | eSTORE 410-800-50-0 |
| 9 | 460,8 | 100 | 100 | 46080 | 46080 | eSTORE 461-900-30-0 | eSTORE 461-900-50-0 |
| 10 (recomended) | 512 | 100 | 100 | 51200 | 51200 | eSTORE 512-1000-30-0 | eSTORE 512-1000-50-0 |
| 11 | 563,2 | 100 | 100 | 56320 | 56320 | eSTORE 563-1100-30-0 | eSTORE 563-1100-50-0 |
| 12 | 614,4 | 100 | 100 | 61440 | 61440 | eSTORE 614-1200-30-0 | eSTORE 614-1200-50-0 |
| 13 | 665,6 | 100 | 100 | 66560 | 66560 | eSTORE 665-1300-30-0 | eSTORE 665-1300-50-0 |
| Battery module RB 512-200-R | | | | | | Order code | |
| No. of modules | Voltage[V] | Capacity[Ah] | Current[A] | Nominal Power[W] | Capacity[Wh] | Inverter HV-50-3P-01 | Inverter HV-60-3P-01 |
| 8 | 409,6 | 200 | 100 | 40960 | 81920 | eSTORE 410-1600-50-0 | eSTORE 410-1600-60-0 |
| 9 | 460,8 | 200 | 100 | 46080 | 92160 | eSTORE 461-1800-50-0 | eSTORE 461-1800-60-0 |
| 10 (recomended) | 512 | 200 | 100 | 51200 | 102400 | eSTORE 512-2000-50-0 | eSTORE 512-2000-60-0 |
| 11 | 563,2 | 200 | 100 | 56320 | 112640 | eSTORE 563-2200-50-0 | eSTORE 563-2200-60-0 |
| 12 | 614,4 | 200 | 100 | 61440 | 122880 | eSTORE 614-2400-50-0 | eSTORE 614-2400-60-0 |
| 13 | 665,6 | 200 | 100 | 66560 | 133120 | eSTORE 665-2600-50-0 | eSTORE 665-2600-60-0 |
| Battery module RB 512-280-R | | | | | | Order code | |
| No. of modules | Voltage[V] | Capacity[Ah] | Current[A] | Nominal Power[W] | Capacity[Wh] | Inverter HV-60-3P-01 | Inverter HV-75-3P-01 |
| 8 | 409,6 | 280 | 200 | 81920 | 114688 | eSTORE 410-2240-60-0 | eSTORE 410-2240-75-0 |
| 9 | 460,8 | 280 | 200 | 92160 | 129024 | eSTORE 461-2520-60-0 | eSTORE 461-2520-75-0 |
| 10 (recomended) | 512 | 280 | 200 | 102400 | 143360 | eSTORE 512-2800-60-0 | eSTORE 512-2800-75-0 |
| 11 | 563,2 | 280 | 200 | 112400 | 157696 | eSTORE 563-3080-60-0 | eSTORE 563-3080-75-0 |

| Battery module RB 512-100-R | | | | | | Order code | |
|------------------------------------|-------------------|---------------------|-------------------|-------------------------|---------------------|-----------------------------|-----------------------------|
| No. of modules | Voltage[V] | Capacity[Ah] | Current[A] | Nominal Power[W] | Capacity[Wh] | Inverter HV-30-3P-01 | Inverter HV-50-3P-01 |
| 12 | 614,4 | 280 | 200 | 122880 | 172032 | eSTORE 614-3360-60-O | eSTORE 614-3360-75-O |
| 13 | 665,6 | 280 | 200 | 133120 | 186368 | eSTORE 665-3640-60-O | eSTORE 665-3640-75-O |

eSTORE High Voltage batteries (HV Battery rack without inverter)

| Battery module RB 512-100-R | | | | | | |
|------------------------------------|-------------------|---------------------|-------------------|-------------------------|---------------------|----------------------|
| No. of modules | Voltage[V] | Capacity[Ah] | Current[A] | Nominal Power[W] | Capacity[Wh] | Order code |
| 8 | 409,6 | 100 | 100 | 40960 | 40960 | eSTORE 410-800-O |
| 9 | 460,8 | 100 | 100 | 46080 | 46080 | eSTORE 461-900-O |
| 10 (recomended) | 512 | 100 | 100 | 51200 | 51200 | eSTORE 512-1000-O |
| 11 | 563,2 | 100 | 100 | 56320 | 56320 | eSTORE 563-1100-O |
| 12 | 614,4 | 100 | 100 | 61440 | 61440 | eSTORE 614-1200-O |
| 13 | 665,6 | 100 | 100 | 66560 | 66560 | eSTORE 665-1300-O |
| Battery module RB 512-200-R | | | | | | |
| No. of modules | Voltage[V] | Capacity[Ah] | Current[A] | Nominal Power[W] | Capacity[Wh] | Order code |
| 8 | 409,6 | 200 | 100 | 40960 | 81920 | eSTORE 410-1600-O |
| 9 | 460,8 | 200 | 100 | 46080 | 92160 | eSTORE 461-1800-O |
| 10 (recomended) | 512 | 200 | 100 | 51200 | 102400 | eSTORE 512-2000-O |
| 11 | 563,2 | 200 | 100 | 56320 | 112640 | eSTORE 563-2200-O |
| 12 | 614,4 | 200 | 100 | 61440 | 122880 | eSTORE 614-2400-O |
| 13 | 665,6 | 200 | 100 | 66560 | 133120 | eSTORE 665-2600-O |
| Battery module RB 512-280-R | | | | | | |
| No. of modules | Voltage[V] | Capacity[Ah] | Current[A] | Nominal Power[W] | Capacity[Wh] | Order code |
| 8 | 409,6 | 280 | 200 | 81920 | 114688 | eSTORE 410-2240-O |
| 9 | 460,8 | 280 | 200 | 92160 | 129024 | eSTORE 461-2520-O |
| 10 (recomended) | 512 | 280 | 200 | 102400 | 143360 | eSTORE 512-2800-O |
| 11 | 563,2 | 280 | 200 | 112400 | 157696 | eSTORE 563-3080-O |

| Battery module RB 512-100-R | | | | | | |
|------------------------------------|------------|--------------|------------|------------------|--------------|----------------------|
| No. of modules | Voltage[V] | Capacity[Ah] | Current[A] | Nominal Power[W] | Capacity[Wh] | Order code |
| 12 | 614,4 | 280 | 200 | 122880 | 172032 | eSTORE 614-3360-O |
| 13 | 665,6 | 280 | 200 | 133120 | 186368 | eSTORE 665-3640-O |

Freestanding-modular Batteries

| Description | Voltage[V] | Capacity [kWh] | Code | Mounting |
|----------------------|------------|----------------|---------------------------|------------------------|
| LiFePO4 High Voltage | 230.4 | 11.52 | RBG3-01-F | Freestanding (modular) |
| LiFePO4 High Voltage | 307.2 | 15.36 | RBG4-01-F | Freestanding (modular) |
| LiFePO4 High Voltage | 384 | 19.20 | RBG5-01-F | Freestanding (modular) |
| LiFePO4 High Voltage | 614.4 | 30.72 | RBG8-01-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