Datasheet Serie Basic

DC energy storage



The series basic DC opens up a world of endless possibilities for DC-coupled energy storage solutions. In combination with inverters from industry leaders, individual systems can be created that leave no customer wish unfulfilled. By using low-voltage systems, the systems are not only easy to maintain, but also safe to operate.

Product name	**moduBasic DC second life 13.5**	**moduBasic DC second life 27**	**moduBasic DC second life 40.5**	**moduBasic DC second life 54**
Usable capacity	**13.5 kWh**	**27.0 kWh**	**40.5 kWh**	**54.0 kWh**
Number of PowerUnits	1	2	3	4
Article number	12341	12342	12343	12344
Cell type	100% second life cells			
Cell technology	$LiFePO_4$			
Connection	Cable lug			
Communication	Ethernet + CAN Bus			
Voltage	51.2 VDC			
Max charging power[1]	4.7 kW	9.5 kW	14.2 kW	15.4 kW
Max discharge power[1]	4.7 kW	9.5 kW	14.2 kW	15.4 kW
Max discharge/charge current	92 A	185 A	277 A	300 A
Weight per battery module	49.5 kg			
Dimensions in mm (lxwxh)	760 x 550 x 455	760 x 550 x 791	760 x 550 x 1127	760 x 550 x 1463
Total weight (approx.)	115 kg	215 kg	315 kg	415 kg
Ambient temp. range	5°C - 40°C	5°C - 40°C	5°C - 40°C	5°C - 40°C

Highlights

- Circular economy with “second life” cells
- Easy commissioning
- Proactive cells monitoring & control
- Compatible with Solar Manager
- Developed and manufactured in Switzerland
- Swiss maintenance & support

Compatible inverters

- Solis S6-EH3P(8-15)K02-NV-YD-L
- SolarEdge StorEdge SExK-RWS
- Victron MultiPlus II 48/5000/70-50 GX
- Victron MultiPlus II 48/3000/35-32 GX
- Victron MultiPlus 48/3000/35-16
- SMA Sunny Island
- Studer next3

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Performance overview moduBasic DC ↔ Solis

Product name	moduBasic DC second life 13.5	moduBasic DC second life 27	moduBasic DC second life 40.5	moduBasic DC second life 54
Max. discharge/charge power	4,7 kW	9,5 kW	14,2 kW	15,4 kW
S6-EH3P 10K 02	*** 4,7 kW**	*** 9,5 kW**	10,0 kW	10,0 kW
S6-EH3P 12K 02	4,7 kW	9,5 kW	12,0 kW	12,0 kW
S6-EH3P 15K 02	4,7 kW	9,5 kW	*** 14,2 kW**	*** 14,8 kW**

The Solis S6-EH3P(8-15)K02-NV-YD-L inverters from the Solarator series can be combined with any moduBasic DC storage units. The matrix shows the maximum charging and discharging power for each combination.

* Best combination of moduBasic DC storage unit & inverter for the corresponding capacity.

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