



FONA ENERGY

High Safety

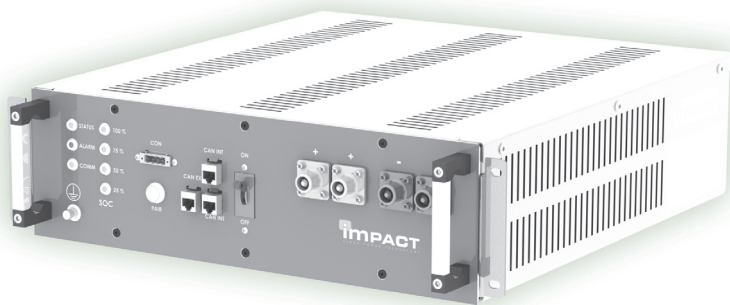
- Certification: IEC 62619, UN38.3, EN61000
- Advanced BMS to protect battery module from abnormal conditions
- Quick module replacement

Modular construction

- System scalable over 4,4 kWh, Flexible Capacity Expansion

Parameters

Technology	Li-ion (NMC)
Nominal capacity	100 Ah
Usable capacity	80 Ah
Design lifetime	8 years
Nominal energy	4,4 kWh
Useful energy	44,4 V
Maximum charging current	50 A (0,5 C)
Maximum discharge current (continuous)	50 A (0,5 C)
Maximum discharge current (instantaneous)	100 A (1 C)
Voltage cut-off	33,6 V
Permissible charging temperature	0°C do +50°C +10°C do +40°C - recommended
Permissible discharge temperature	-20°C do +50°C +10°C do +40°C - recommended
Ingress protection	IP 20 or ingress protection "rack"
Expandable in a rack 42U	Scalability - YES
Scalability	Connecting cabinets in parallel depending on individual requirements
Advanced BMS system	ICPT BMS, multi-level error detection
Cooling	Passive
EMC	IEC 61000-6-1, IEC 61000-6-3,
Transport	UN 38.3
Communication with the inverter	CAN, MODBUS
Dimensions	439 x 130 x 550 mm (19 IN / 3U)
Waight of module	About 45 kg



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