

EFOY H₂PowerPack X50

Preliminary Data Sheet



EFOY H₂PowerPack X50

With the EFOY H₂PowerPack X50, SFC Energy introduces a new hydrogen fuel cell product family and expands the product portfolio towards higher output power ranges.

With its plug & play connections, the new energy solution makes green energy easily available for off-grid power applications or back-up power installations.

Specifications

EFOY H₂PowerPack X50

Fuel cell technology	PEM, liquid cooled
Net power output ^{1,2}	50 kW
AC output	50 kW, 400 V AC, 3 Phase, N + PE
AC interface output	CEE 125 A, 400 V AC, 3 Phase, 50 Hz
AC input	60 kW, 400 V AC, 3 Phase, N + PE
AC interface input	CEE 125 A, 400 V AC, 3 Phase, 50 Hz
Hydrogen fuel specification, gaseous	SAE J2719:2020, ISO 14687:2019 Type I Grade D
Hydrogen consumption ²	Approx. 3.5 kg/h @ 50 kW
Maximum inlet pressure level	300 bar
Battery capacity	12 kWh
Operating temperature ^{1,3}	-20 °C to +45 °C
Storage and transport temperature	-20 °C to +45 °C
IP class	IP 23 D
Maximum altitude ³	1,500 m
Operational dimensions (L x W x H)	1,600 x 1,200 x 3,130 mm
Transport dimensions (L x W x H)	1,600 x 1,200 x 2,230 mm
Weight	1,800 kg

Note:

- 1) Net output power reduction above +40 °C and below 0 °C possible
- 2) Begin of Life
- 3) Reduction of maximum temperature above 700 m altitude

Preliminary content – subject to modification and errors – May 2025 – Rev. 3.2