

ESO Module

Modular and future proof energy storage system

- Upgradable system to allow expansion over time
- Bidirectional DC/DC converter
- State of the art efficiency (99 %)



ESS System order guide

ESS System**	ESS Power Case <i>PF10004</i>	ESO Module <i>PE00751</i>	ESS Battery Main Controller <i>PB10002</i>	ESS Battery Module 3.55 kWh <i>PB10003</i>	ESS Battery Bracket <i>PB10004</i>
ESS 7/2	1	1	1	2	1
ESS 7/4	1	2	1	2	1
ESS 10/3	1	1	1	3	1
ESS 10/6	1	2	1	3	1
ESS 14/4	1	1	1	4	1
ESS 14/8	1	2	1	4	1

** System configuration name, for system performance see datasheet of ESS Battery and ESO Module.

ESO Module

Product data	ESO Module
Part number	PE00751
E-number	27 402 59
Battery side	
Rated power, battery voltage 600 V	6000 W
Battery voltage range ¹⁾	192 – 620 V
Maximum battery current	+/- 9.5A
DC bus side	
DC bus voltage	760 V
DC bus voltage range	740 – 780 V
Maximum DC bus output current	9 A
Max efficiency	99.0%
System communication	Narrow band PLC
Installation	
Ambient temperature ²⁾	0°C – 45°C
Humidity	0 – 95% RH non-condensing
Protection class	IP20
Connector	FCI PwrBlade
Physical	
Dimensions HxWxD	88 x 184 x 400 mm
Weight	5.0 kg
Material	Cold rolled steel
Color and finish	Grey metal
Compliance	
LVD	IEC 62477-1:2012
EMC	EN 61000-6-2, EN 61000-6-3
RoHS	Yes
Protective functions	DC-bus polarity reversal, Battery polarity reversal, DC bus short circuit, Overtemperature

1) Can handle instantaneous voltage down to 120V and up to 720V.

2) Power may be derated if ambient temperature exceeds 35 °C

