



ON-GRID &
OFF-GRID BATTERY
POWER SOLUTIONS

RESU-Select Packages

≡ Single-Phase Specifications

Premium Quality Power Solutions

	RESU-Select 3.5kW packages		RESU-Select 5kW packages	
INVERTER OUTPUTS (AC)				
Continuous AC load power from batteries:	3.5 kW		5 kW	
Max. AC load power:	5 kW (6.5 kW 3 second peak)		5kW (6.5 kW 3 second peak)	
Nominal voltage in Off Grid	240 V AC configurable 210 to 240 V AC			
Total Harmonic Distortion in Off Grid	<3%			
Frequency in Off Grid	50 Hz			
Peak Efficiency	96%			
INVERTER SOURCE INPUTS (AC)				
Nominal Voltage	210 V AC +/- 15% to 240 V AC +/- 10%			
Nominal Input Frequency	50 Hz			
AC Transfer current capacity	63A / 15 kW per phase (larger possible with external contactor)			
Max. AC input source (Grid or Generator)	15 kW per phase (larger possible with external contactor)			
Switching time from grid/generator and batteries	Less than 0.03 seconds			
Max. AC charging from grid or generator / DC Current per phase	3.5 kW / 73 A		5.0 kW / 107 A	
Overvoltage Category	III			
BATTERY SPECIFICATIONS				
	RESU10	RESU13	2x RESU 10 (20)	2x RESU13 (26)
Nominal battery voltage	51.8 V DC			
Operating voltage range / Max. user SOC range	42 V DC > 58.8 V DC			
Nominal energy (DC) ¹	9.8 kWh	13 kWh	19.6 kWh	26 kWh
Max. useable energy (DC) ¹	8.8 kWh	12.4 kWh	17.6 kWh	24.8 kWh
Max. discharge current (DC)	119A			
RESU PLUS Battery Combiner Box included (for 2 battery systems)	No	No	Yes	Yes
Number of same battery capable to expand within first year	1 more	1 more	0	0
Battery DC round trip efficiency	Greater than 95%			
Overvoltage Category (DC)	II			
ENVIRONMENTAL				
Installation location	Indoors			
Ingress Protection rating	Battery IP 55 / Inverter IP 43			
Ambient Operating Temperature	-10 ~ 45 °C (50 °C for RESU13)			
Humidity / Altitude	5%-95% / Less than 2,000 m			
Pollution Category	3			
FEAURES				
Built in remote monitoring functionality	Optional with Select. Live for remote programming and monitoring (internet essential)			
VPP & Grid services platform	Optional via EVO Power Monitoring platform for VPP			
AC & DC Isolation devices	Internal DC Isolation and included			
Generator Backup	Inbuilt control for Off Grid installations, Optional for On-Grid systems using a separate Grid Fail Backup module			
AC Coupling functionality	Compatible with managed SCERT solar inverters with 2x battery inverters rating capacity, 1x battery inverter rating for generic solar inverters allowed on load side of system			
Warranty ²	Up to 10 years on inverter (when Select.Live purchased) / 10 years performance warranty on the RESU batteries			
COMPLIANCE				
Battery related standards	IEC 62619, UL 1973, UL 1642, CE, RCM			
Inverter related standards	AS 4777.2:2015, IEC 62109-1, IEC 62109-2			
DIMENSIONS & WEIGHTS				
System dimensions (L x H x W)	RESU10 = 452 x 484 x 227 mm, RESU13 = 484 x 626 x 227 mm , Inverters 375 x 220 x 690 mm			
Weight of the system components (kg)	RESU10 = 75 kg , RESU13 = 100 kg , 3.5 kW Inverter = 37 kg , 5 kW Inverter = 40 kg			

1. Useable energy & Nominal Energy is based on beginning of battery life at 25°C and at peak efficiency charge/discharge rate

2. Please refer to the detailed warranty documentation at the EVO Power website www.evopower.com.au

All specifications are at 25°C and rated DC input voltage unless otherwise stated, values may be different at higher or lower temperatures.

Specifications may be updated without notice so please refer to the EVO Power website for the current information