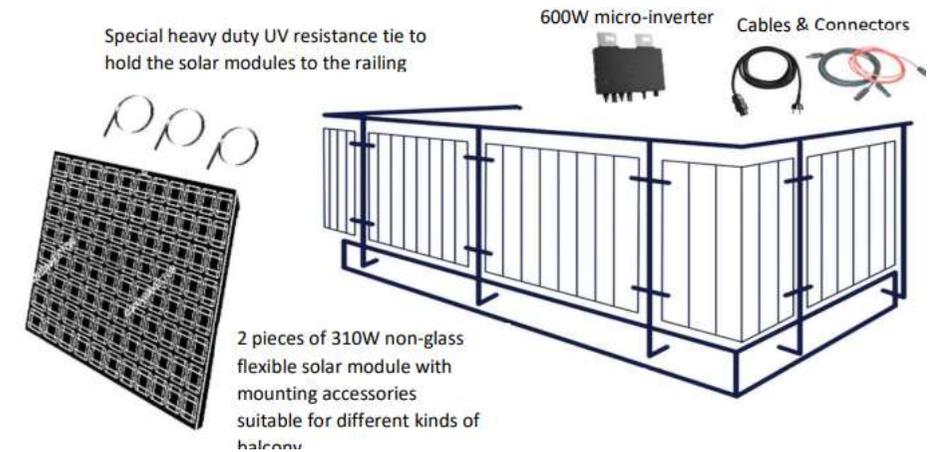


OpalEnergy

Micro-Inverter

Model	OPAL-600-1P-EU
PV Input DC Rating	
No of MPPT for solar input	Two
Max DC input Power	640VA
PV DC input MPPT voltage range	28-45V
Start-up DC Voltage	18V
Maximum input Voltage	60V
PV Input Current	2 x 20A
Output Data (AC)	
Maximum continuous Output power	880VA
Nominal Output Voltage	230V
Nominal Output Current	3.8A
Frequency	50Hz
Power Factor	0.99/ 0.8 leading to 0.8 lagging
Efficiency	
Max Efficiency	97%
MPPT Efficiency	99.5%
Night power consumption	<20mW
Mechanical Data	
Operating temperature range	-40°C to +65°C
Dimension	263 x 218 x 42.5 mm
Weight	3.1Kg
Cooling	Natural
IP rating	IP67
Certifications and Standards	
Grid Regulation, Safety standard/EMC	IEC62109-1/2, 61000-6-1/2/3/4, 61727, 62116, EN62109-1/2, EN61000-6-1/2/3/4
General	
Inverter Dimension (mm)	330W x 433H x 238D mm (Wall mounted)
Warranty	10 years



Solar Module

Model	OPAL-310W-LW
PV rating	
Peak Power Wattage (Pm)	310Wp
Max. Voltage (Vpm)	33.3V
Max Operating current (Ipm)	9.31V
Open Circuit voltage (Voc)	40.5V
Short circuit current (Isc)	9.81A
Physical parameter	
Dimension (mm)	1682W x1029L x 5.6T
Weight (kg)	Approx. 5.8Kg
Certification	IEC 61215, IEC 61730 , CE
Warranty	10 Years product/25 years power performance