

Flex LV-EU Series



PV Input Data	Flex LV-EU 4.5k	Flex LV-EU 5.4k	Flex LV-EU 6k	Flex LV-EU 6.9k	Flex LV-EU 7.5k	Flex LV-EU 9k	Flex LV-EU 12k
Max. Input power (kW)	4.5	5.4	6	6.9	7.5	9	12
Start-up voltage (V)	100						
Max. PV input voltage(V)	550						
MPPT range/nominal (V)	80~500/360						
Max.input current of single MPPT(A)	16/16	16/16	16/16	16/16	16/16	16/16	16/32
MPPT tracker quantity	2	2	2	2	2	2	2
MPPT quantity/ The number of input strings supported by each mppt	1/1	1/1	1/1	1/1	1/1	1/1	1/2
AC Output Data							
Rated power (kW)	3	3.68	4	4.6	5	6	8
Rated AC current output to grid (A)	13	16	17.4	20	21.7	26	35
Nominal voltage/range(V)	230/176~270						
Frequency (Hz)	50/60						
Power factor	1(0.8 leading-0.8 lagging)						
THDi	<3%						
AC grid type	L+N+PE						
Battery Data							
Battery voltage range(V)	40~58						
Max. charging voltage(V)	58						
Max. charge/discharge current(A)	60/60	72/72	80/80	92/92	100/100	120/120	160/160
Battery type	Lithium /Lead-acid						
Communication interface	CAN						
EPS Output							
Rated power (kW)	3.68	3.6	4	4.6	5	6	8
Rated voltage(V)	230						
Rated AC current output to grid (A)	13	16	17.4	20	21.7	26	35
Rated frequency(Hz)	50/60						
Automatic switchover time(ms)	<10						
THDu	<2%						
Overload capacity	100%, 60s/120%, 30s/150%, 10s						
General Data							
Battery Charge/Discharge Efficiency	96%						
Max. Efficiency	98%						
Europe Efficiency	97%						
Mppt Efficiency	99.9%						
Ingress Protection	IP65						
Noise Emission (dB)	<35						
Operation Temperature (*c)	-25~60						
Cooling	Natural						
Relative Humidity	0~95% (non-condensing)						
Operating Altitude	0-2000m (no derating below 2000m)						
Dimensions(W*D*H)	454.5*200*467mm 8*7.8*18.3in					467*200*484mm 18.3*7.8*19in	
Weight	18kg / 40lb					20kg / 44lb	
Topology	Non-isolated						
Self-consumption At Night (W)	<20						
Display & Communication							
Display	Optional (colorful touch screen /no screen)						
Interface	RS485/Wifi/4G/CAN/DRM						
Certifications							
Certifications	EMC, EN50549-1, IEC 62109-1/IEC 62109-2, EN62109-1/EN62109-2, CE, NRS, G99						