

# Flex LV-US Series



MODEL		Flex LV-US 12k
	Phase	120V / 240V Split phase, 120V / 208V Split phase
	Maximum PV Input Power	12000W
	Rated Output Power	10000VA/10000W
	Maximum Charging Power	10000W
GRID-TIE OPERATION		
PV INPUT (DC)	Maximum DC Voltage	600 VDC
	Start-up Voltage / Initial Feeding Voltage	125 VDC / 160 VDC
	MPP Voltage Range	120 VDC ~ 550 VDC
	Number of MPP Trackers / Maximum Input Current	2 / 18A
GRID OUTPUT (AC)	Nominal Output Voltage	120 VAC (P-N), 208 VAC (P-P), 240 VAC (P-P)
	Output Voltage Range	105.5 VAC ~ 132 VAC (per phase)
	Nominal Output Current	41.5 A per phase
	Power Factor	0.9 lag to 0.9 lead
EFFICIENCY	Maximum Conversion Efficiency (DC/AC)	96%
OFF-GRID OPERATION		
AC INPUT	AC Start-up Voltage / Auto Restart Voltage	85 VAC (per phase) / 90 VAC (per phase)
	Acceptable Input Voltage Range	85 - 140 VAC (per phase)
	Frequency Range	50 Hz / 60 Hz (Auto sensing)
	Maximum AC Input Current	40A per phase
PV INPUT (DC)	Maximum DC Voltage	600 VDC
	MPP Voltage Range	120 VDC ~ 550 VDC
	Number of MPP Trackers / Maximum Input Current	2 / 18A
BATTERY MODE OUTPUT (AC)	Nominal Output Voltage	120 VAC (P-N), 208 VAC (P-P), 240 VAC (PP)
	Output Waveform	Pure sine wave
	Efficiency (DC to AC)	91%
HYBRID OPERATION		
PV INPUT (DC)	Maximum DC Voltage	600 VDC
	Start-up Voltage / Initial Feeding Voltage	125 VDC / 160 VDC
	MPP Voltage Range	120 VDC ~ 550 VDC
	Number of MPP Trackers / Maximum Input Current	2 / 18A
GRID OUTPUT (AC)	Nominal Output Voltage	120 VAC (P-N), 208 VAC (P-P), 240 VAC (P-P)
	Output Voltage Range	105.5 VAC - 132 VAC (per phase)
	Nominal Output Current	41.5 A per phase
AC INPUT	AC Start-up Voltage / Auto Restart Voltage	85 VAC (per phase) / 90 VAC (per phase)
	Acceptable Input Voltage Range	85 - 140 VAC (per phase)
	Maximum AC Input Current	40 A per phase
BATTERY MODE OUTPUT (AC)	Nominal Output Voltage	120 VAC (P-N), 208 VAC (P-P), 240 VAC (P-P)
	Efficiency (DC to AC)	91%
BATTERY & CHARGER	Nominal DC Voltage	40-62 VDC
	Maximum Solar Charging Current	200A
	Maximum AC Charging Current	200A
	Maximum Charging Current	200A
GENERAL		
PHYSICAL	Dimensions (W*D*H)	515*215.5*715mm / 20.2*8.5*28in
	Weight	45kg / 99lb
INTERACE	Parallel Function	Yes, 6 units
	Communication Port	RS232, RS485, WI-FI, USB
ENVIRONMENT	Protection Degree	IP65
	Operating Temperature	-25°C to 60°C (>45°C derating)
	Certifications	UL1741SA/IEEE1547.1/CEC