

	IF-100U	IF-500Ux	IF-600Ux
<b>INPUT DATA (DC)</b>			
Battery Charger Mode	300-580	-	-
MPPT Voltage range	290-580	495-850	595-850
Maximum Voltage (Voc)	600	1000	1000
Maximum Current (Isc)	360A	1050A (2x525A)	1050A (2x525A)
Typical Installed PV Peak Power	100kWp ÷ 120kWp	500kWp ÷ 600kWp	500kWp ÷ 600kWp
Protected PV Inputs	1	4	4
<b>OUTPUT DATA (AC)</b>			
Rated Power (kW)	100kW	500kW	600kW
Maximum continuous output power (@full voltage & temperature range)	100kW	500kW	600kVA
Rated voltage	480Vac (+10%, -12%), Optional 208Vac, 3ph, 3φ	315Vac (+10%, -12%), 3ph	380Vac ± 10%, 3ph
Rated current	120A	916A	916A
Maximum current	136A	1050A (590kVA @ 325V)	1050A (590kVA @ 325Vac)
Frequency	60Hz	60Hz	60Hz
Power Factor	1 full power (adjustable -0.7 and +0.7)	1 full power (adjustable -0.7 and +0.7)	1 full power (adjustable -0.7 and +0.7)
Total Harmonic Distortion (THDi)	< 2%	< 2%	< 2%
Galvanic Isolation	Internal	External / Optional	External / Optional
Maximum Efficiency transformer included (%)	>96.5	>98	>98
CEC Efficiency without transformer (%)	-	97.5	97.5
CEC Efficiency transformer included (%)	95.5	96	96
Control architecture	DSP Control, 32bit floating point, SVM Modulation		
<b>PROTECTIONS</b>			
Overvoltage and Overcurrent	At Input & Output stage		
Reverse polarity / Overtemperature	Included / Output power derating over 122F (50°C)		
Frequency and Voltage max. / min.	Included & configurable (according to local regulations)		
Anti-islanding protection	Automatic detection & disconnection		
Isolation monitoring device	GFDI (IMI optional)		
<b>MAIN DATA</b>			
Standards (Test and Certificates)	UL1741, CSA C22.2 n°107.1-01 (Master Contract Number 254602) IEEE1547, IEEEE1547.1	UL1741, CSA C22.2 n°107.1-01 (Master Contract Number 254602) IEEE1547, IEEEE1547.1, CEC listed	UL1741, CSA C22.2 n°107.1-01 (Master Contract Number 254602) IEEE1547, IEEEE1547.1, CEC listed
Working Temperature/Relative Humidity/Cooling	-4 ÷ 122F (-20°C ÷ 50°C) / 5%-95% without condensation / Forced air cooling		
Dimensions (h x w x d)	72.8" x 47.2" x 35.4" (1850 x 1200 x 900mm)	81.7" x 118.1" x 33.5" (2075 x 3000 x 850mm)	
Weight	2,200lb (1000kg)	4,960lb (2250kg)	
Protection class	NEMA 3R - NEMA 1	NEMA 3R	
Acoustic noise	65dBA	65dBA	
Screen	Touch Screen	5" Touch Screen	
Communications	RS-485, ModBus RTU (Options Ethernet, GPRS and others on request)		