

SMARTPHASE™

INPUT DATA	
Recommended input power	210-300 W
Maximum input DC voltage	50 V
Peak power tracking voltage	25-50 V
Operating range	25-50 V
Start voltage (min./max.)	25-50 V
Maximum DC short current	15 A
Maximum input current	13 A
OUTPUT DATA	
Peak output power	1.2 kW
Rated continuous power	1.1 kW
Nominal current (A) rms @ Nominal duration	4.58 @ 240V, 5.29 @ 208V, 9.16 @ 120V
Nominal voltage/range (V)	240/211-264, 208/190-222, 120/95-135
Nominal frequency/range Hz	60/59-61
Extended frequency/range Hz	57-62.5
Power factor	>0.95
Maximum units per 30A branch circuit	24 panels, 6 inverters @ 240V
Maximum output fault current (A)	80mA rms for 6 cycles
Maximum units per 20A branch circuit	16 panels, 4 inverters @ 240V
THDi (at rated power)	<5%
EFFICIENCY %	
CEC weighted efficiency	96
Peak inverter efficiency	96
Static MPPT efficiency weighted ref EN50530	99.4
Night time power consumption (mW max)	<0.005 W
SIZE, WEIGHT & TEMPERATURE	
Dimensions	39"W x 6.5"H x 0.75"D
Weight	8 kg
Ingress protection (IP)	IP 66
Ambient temperature range	-40°C to 65°C
KEY FEATURES	
Password secure remote via Internet	Power generation on/off throttle
Wizard-based installation	Start up and automatic panel map creation
PV module cell compatibility	60/72
Communication	PLC
Monitoring	Self-launching web
SAFETY & EMC	STANDARDS COMPLIANCE
Safety and EMC	CAN/CSA-22.2 no. 107.1-01

